

10

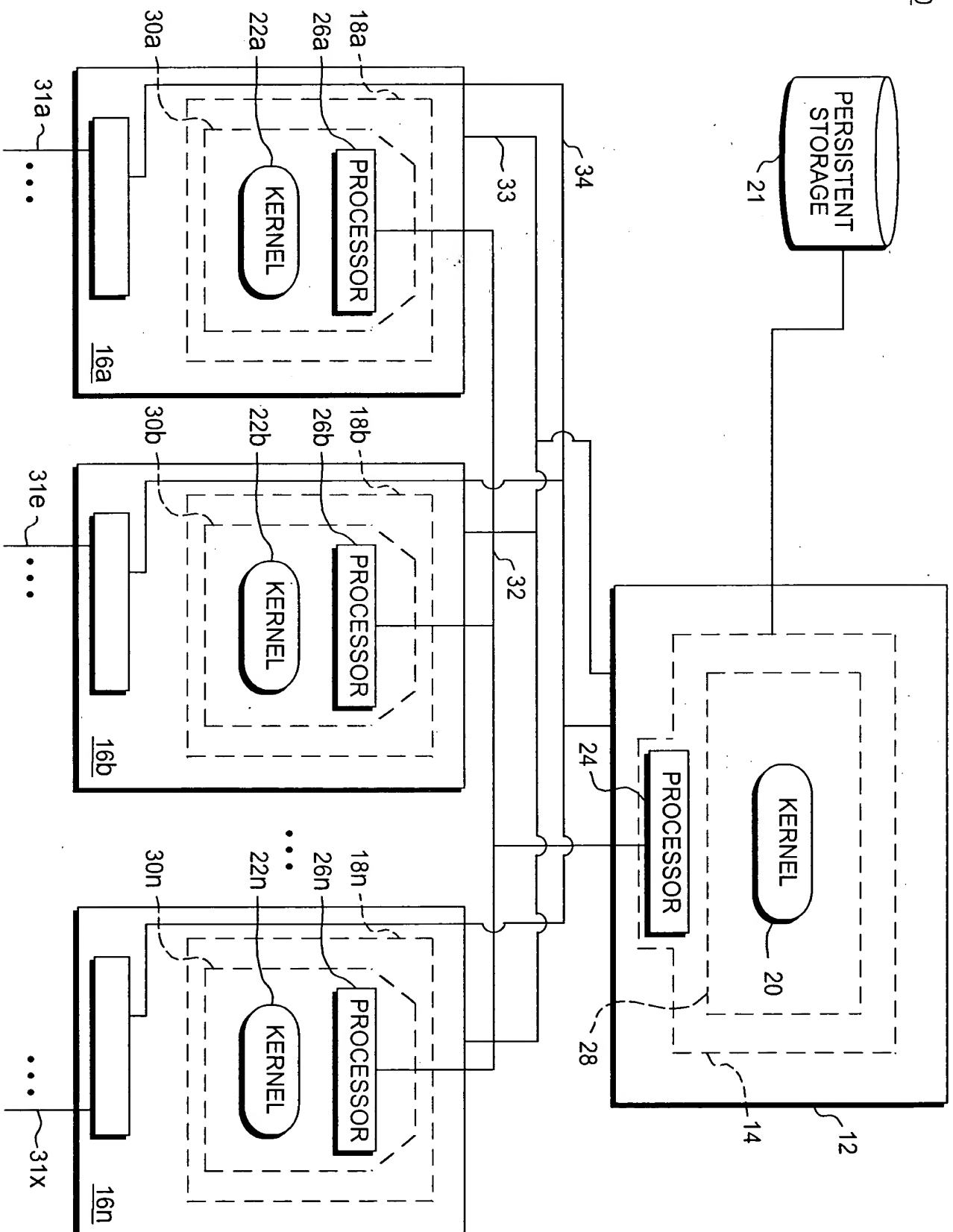


FIG. 1

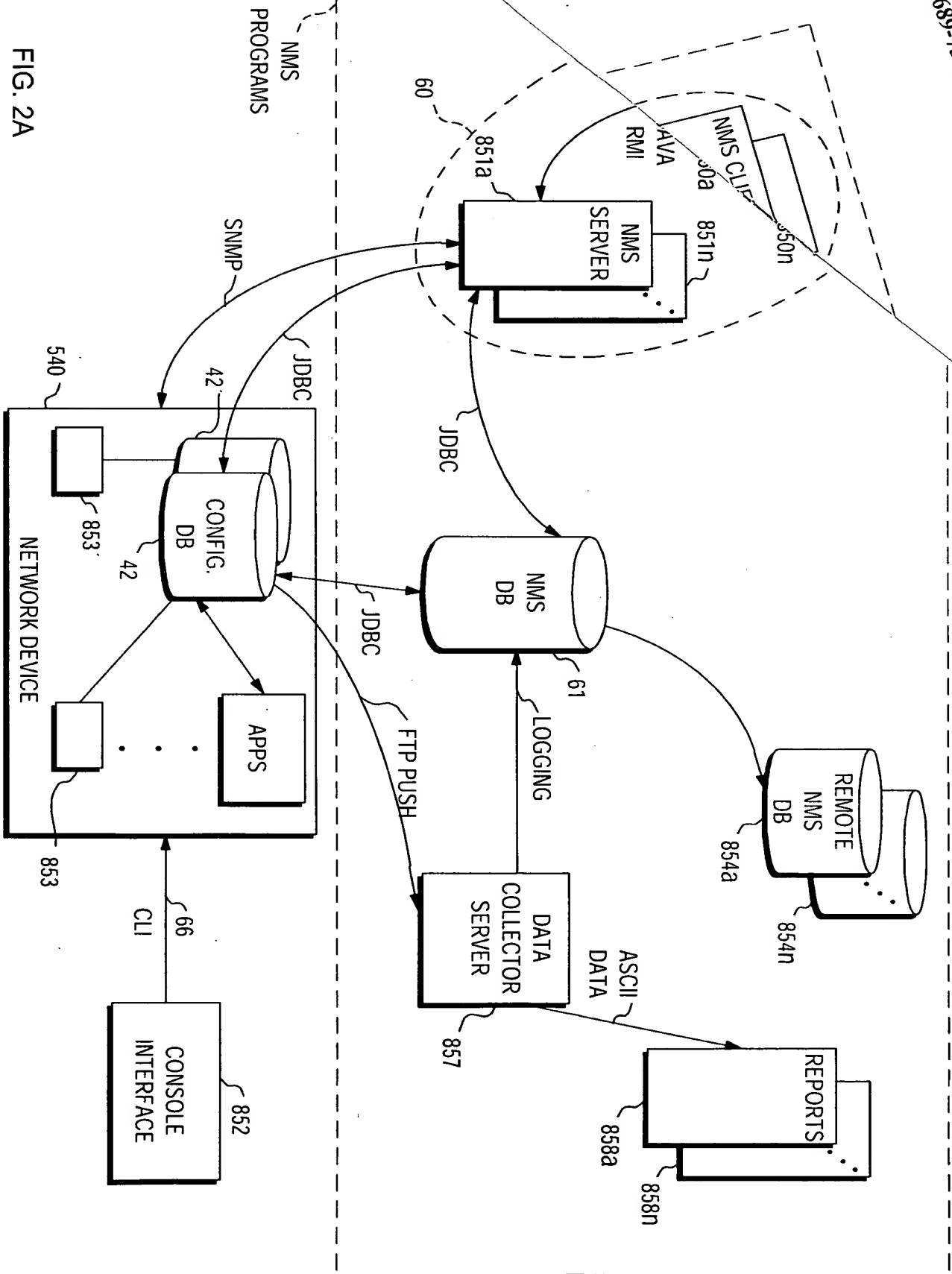


FIG. 2A

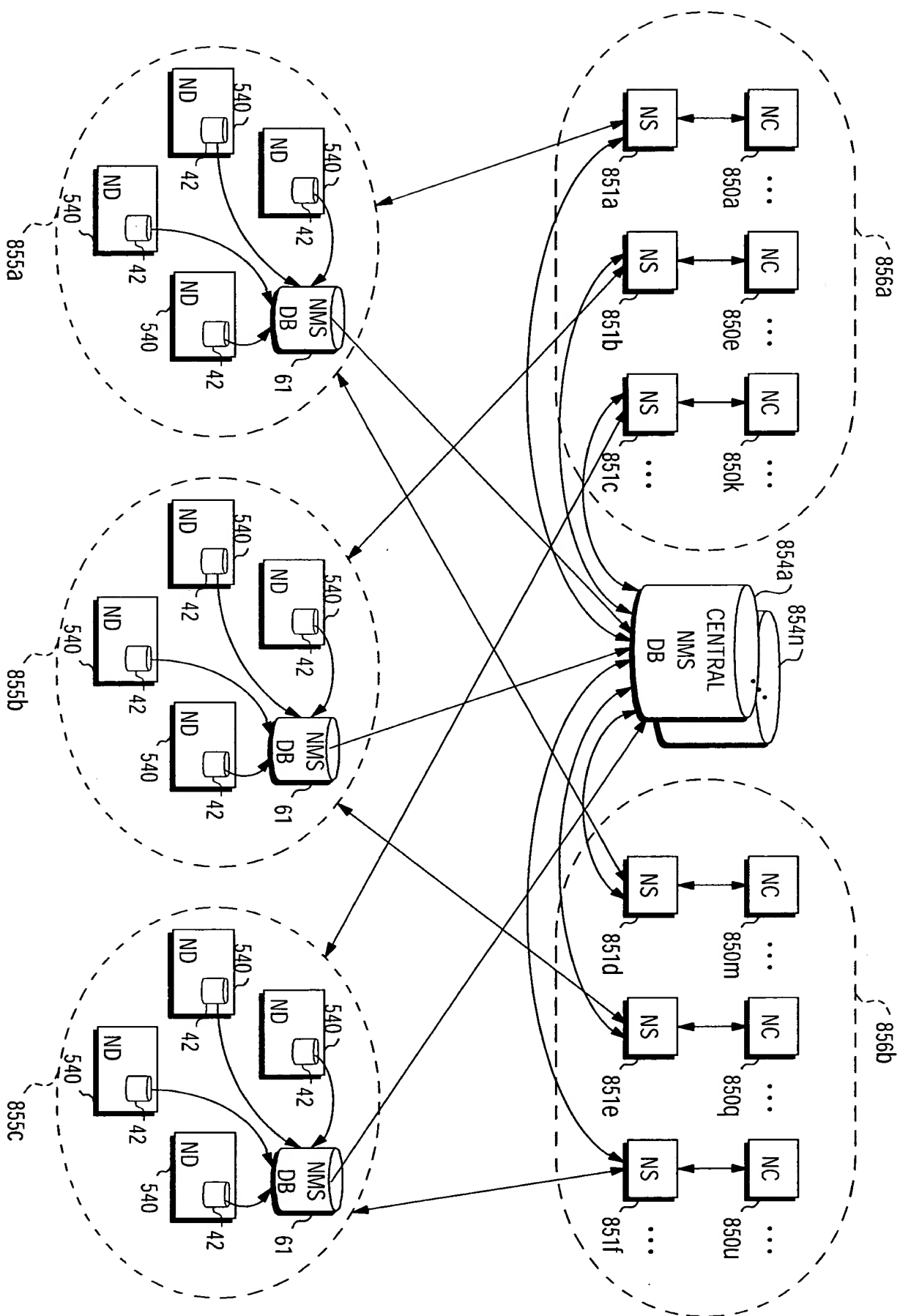


FIG. 2B

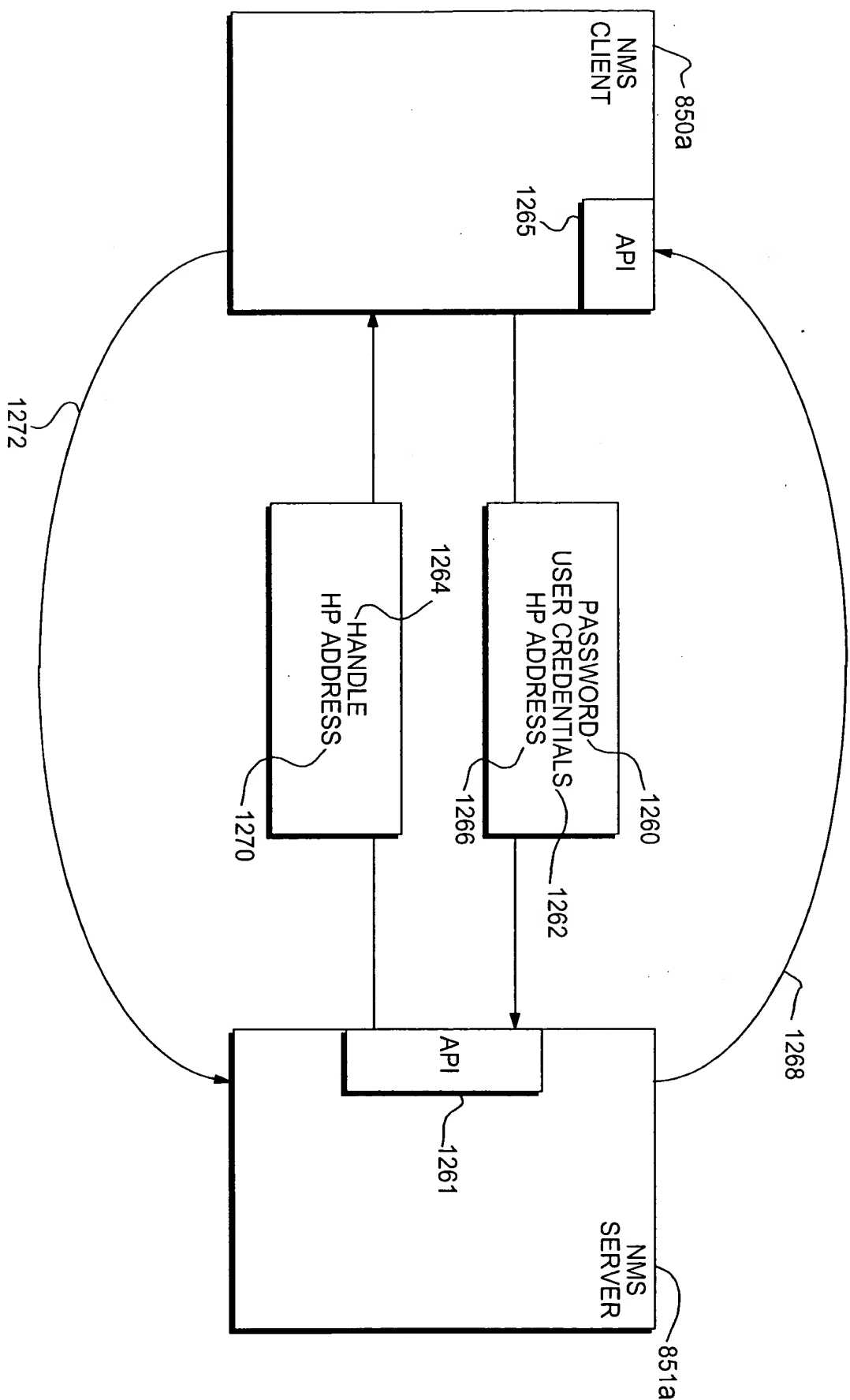


FIG. 2C

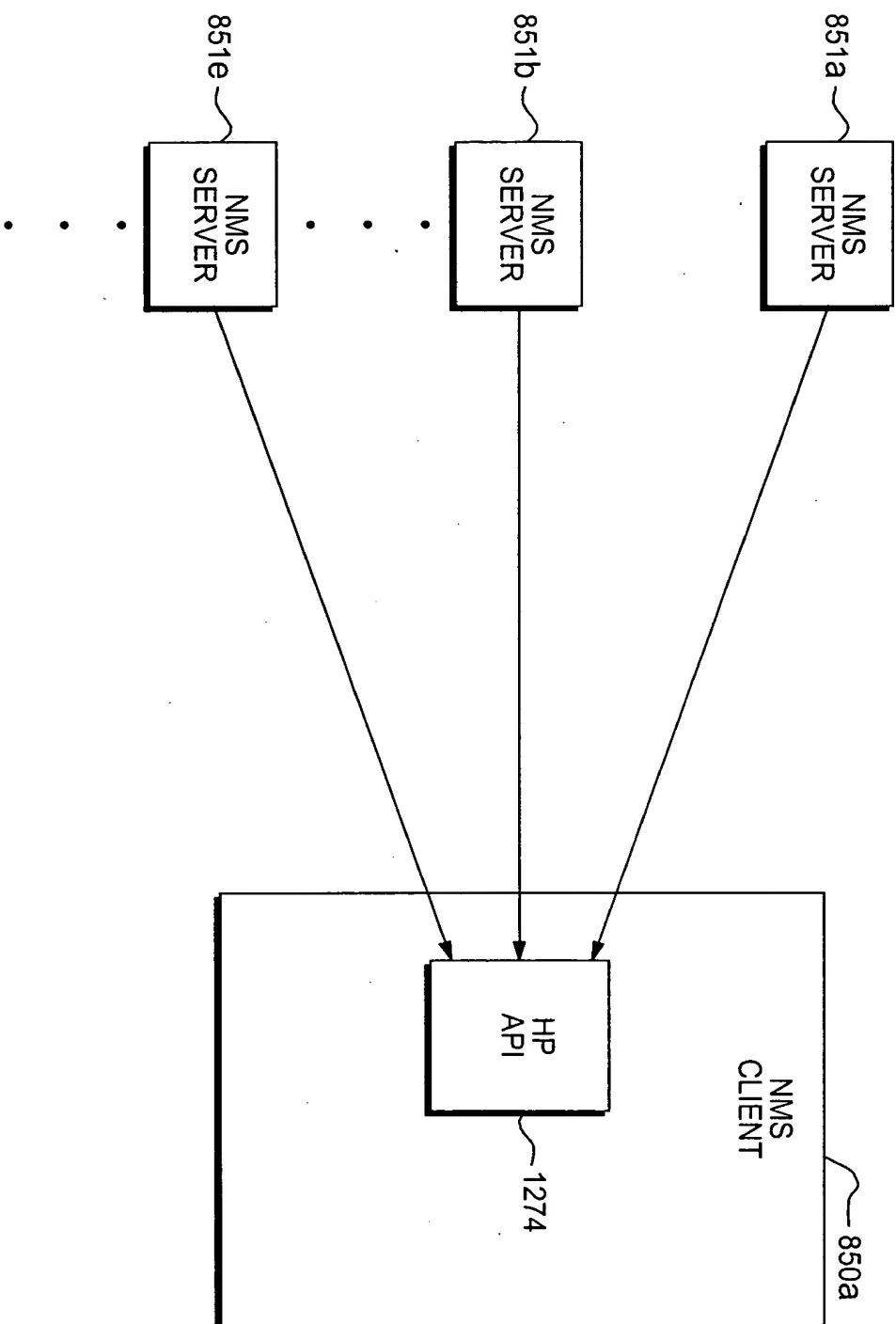


FIG. 2D

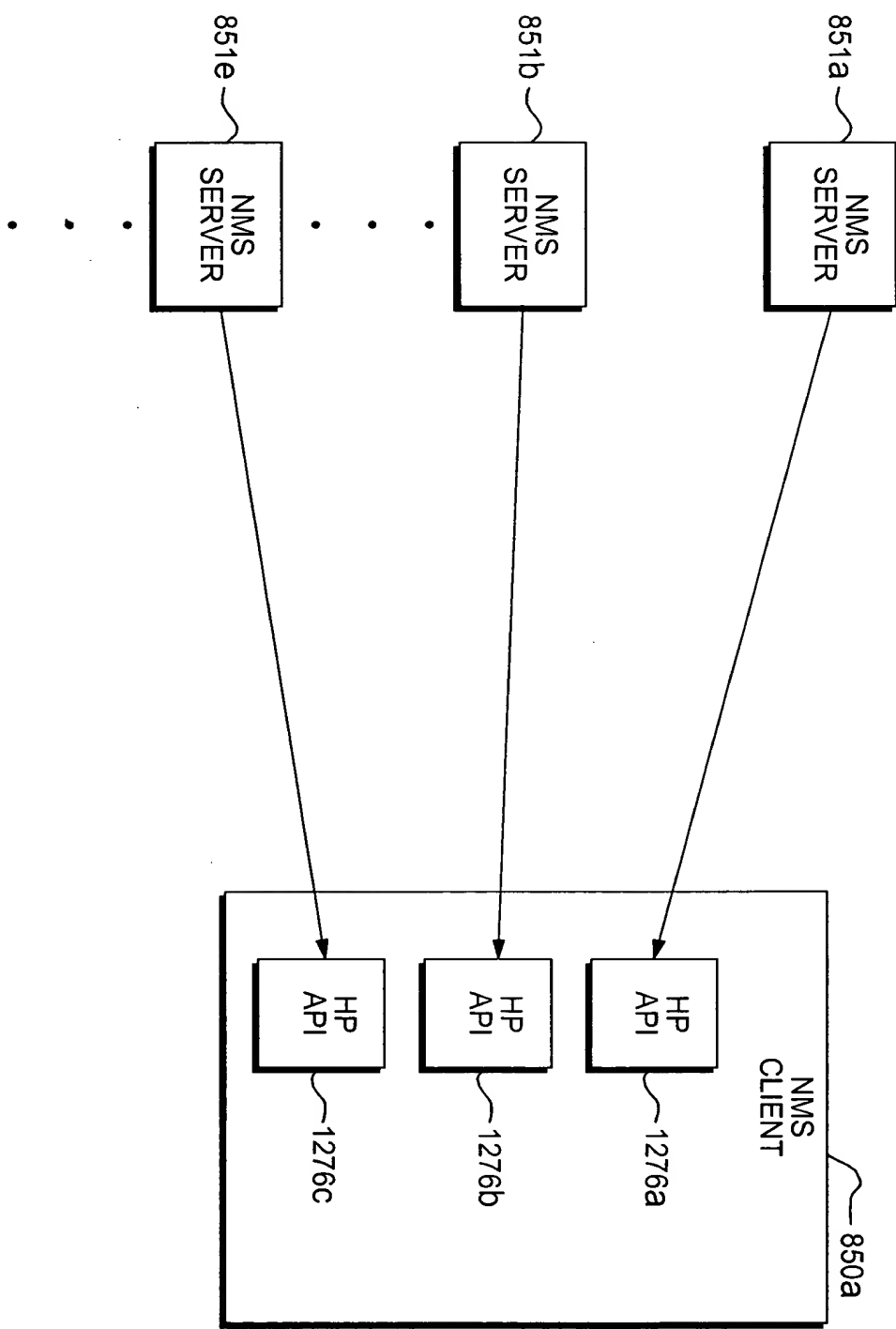


FIG. 2E

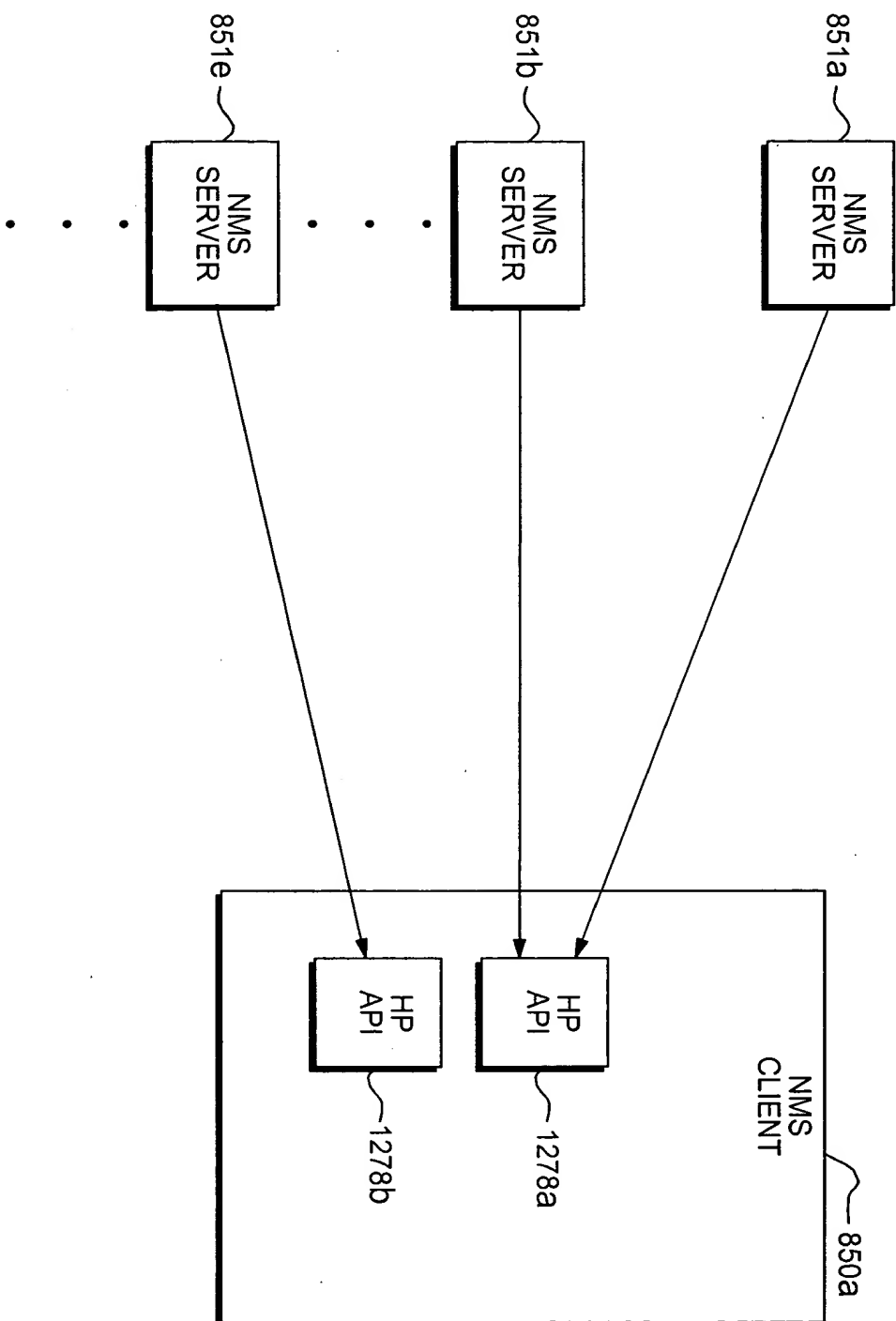


FIG. 2F

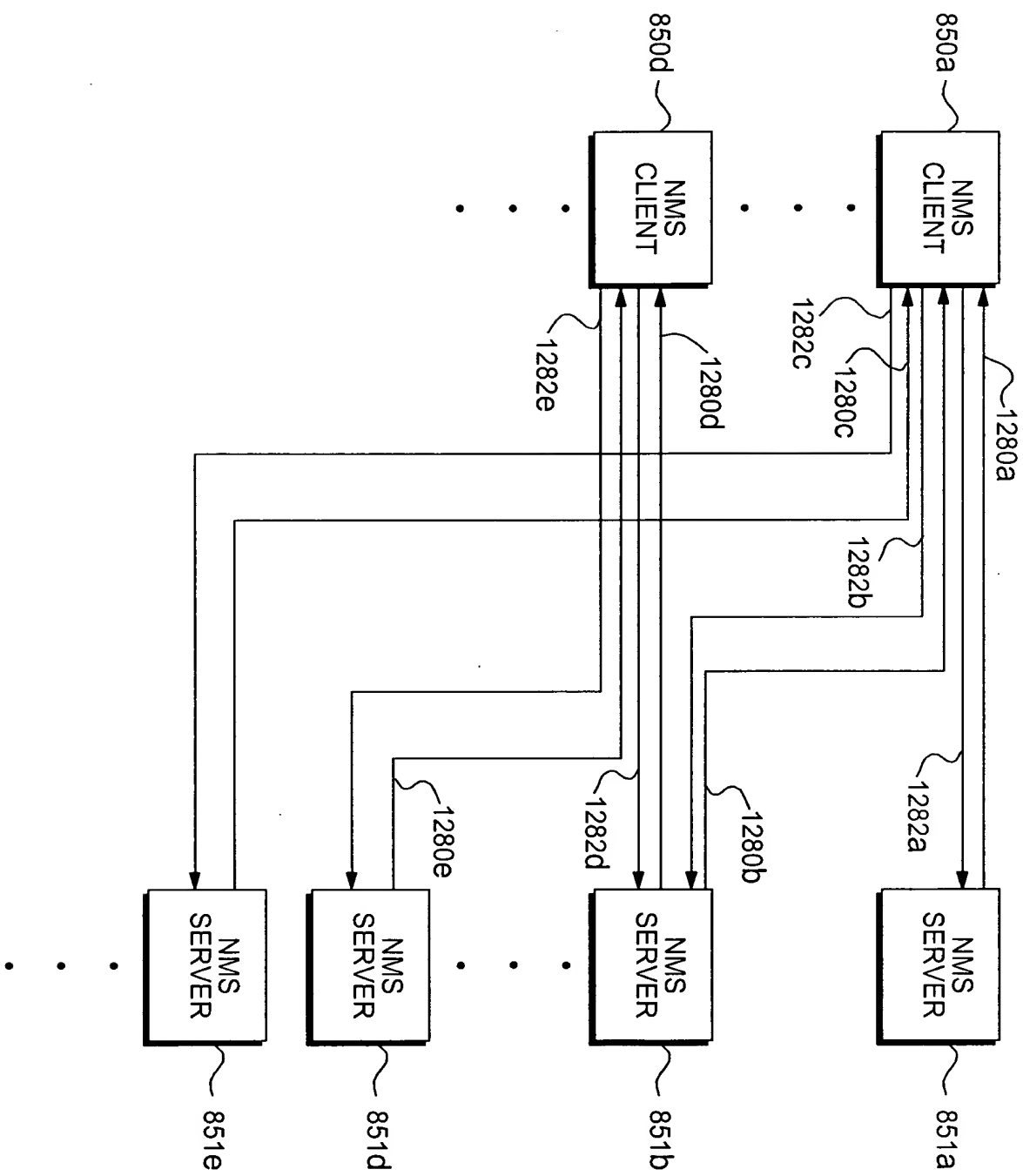


FIG. 2G

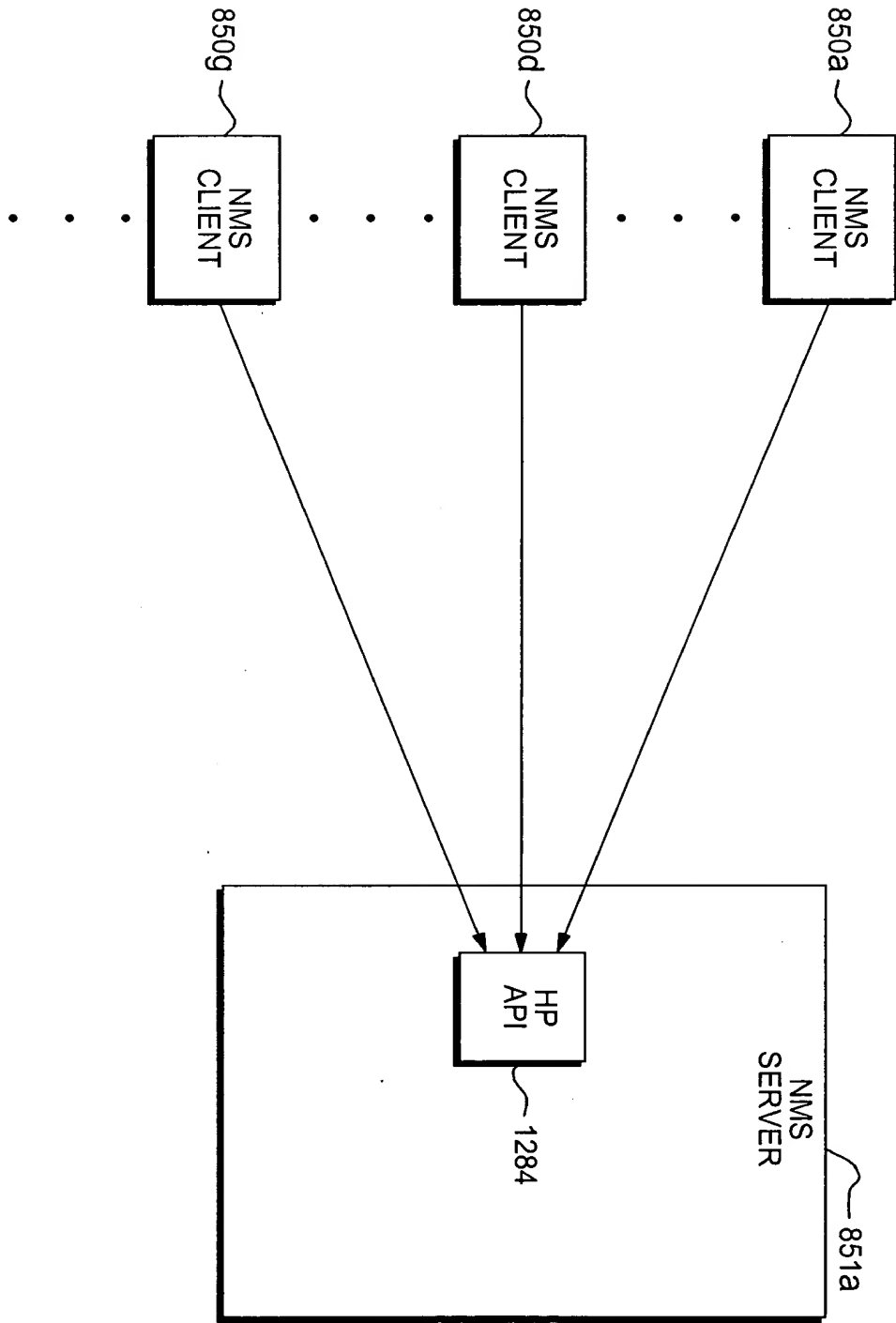


FIG. 2H

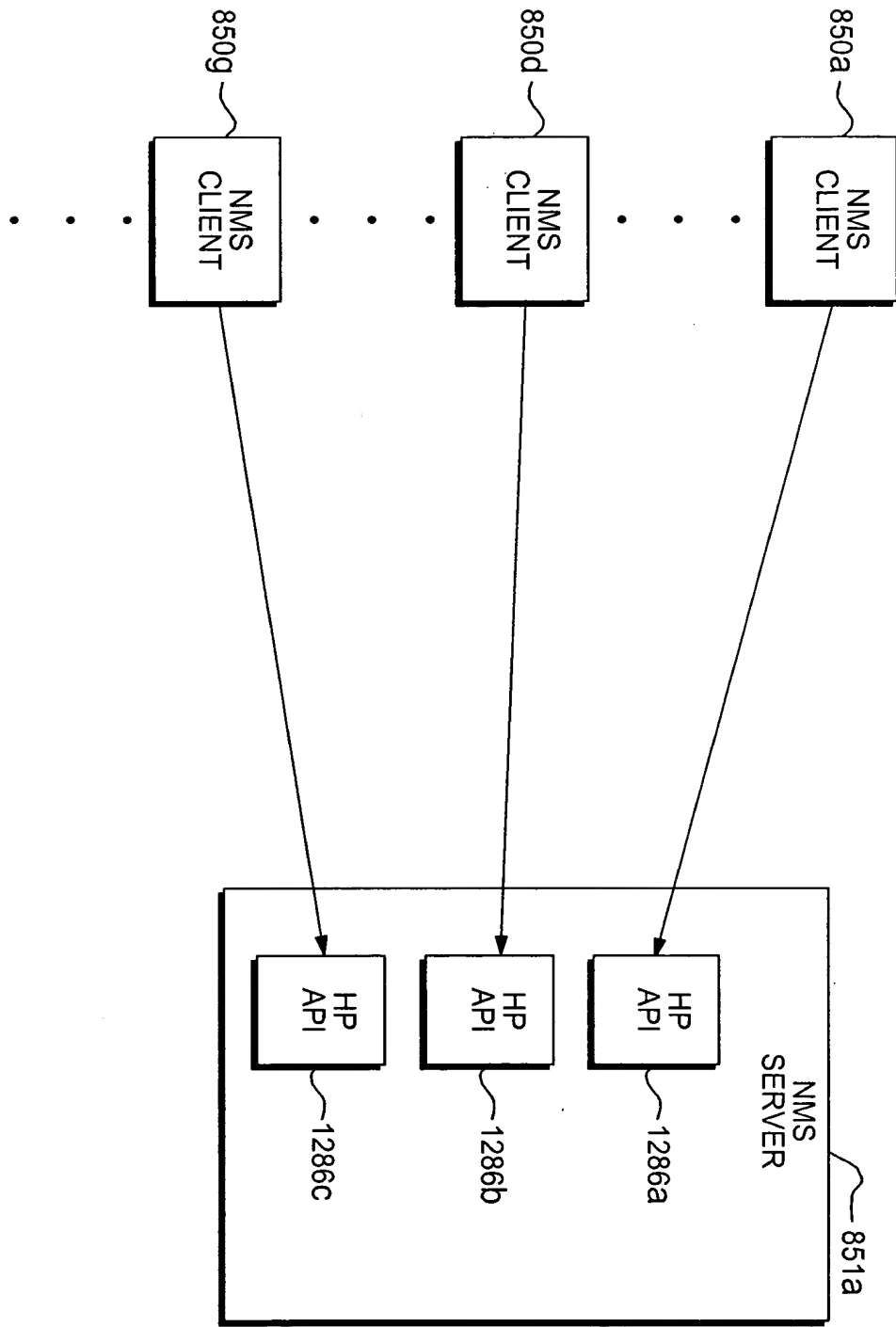


FIG. 21

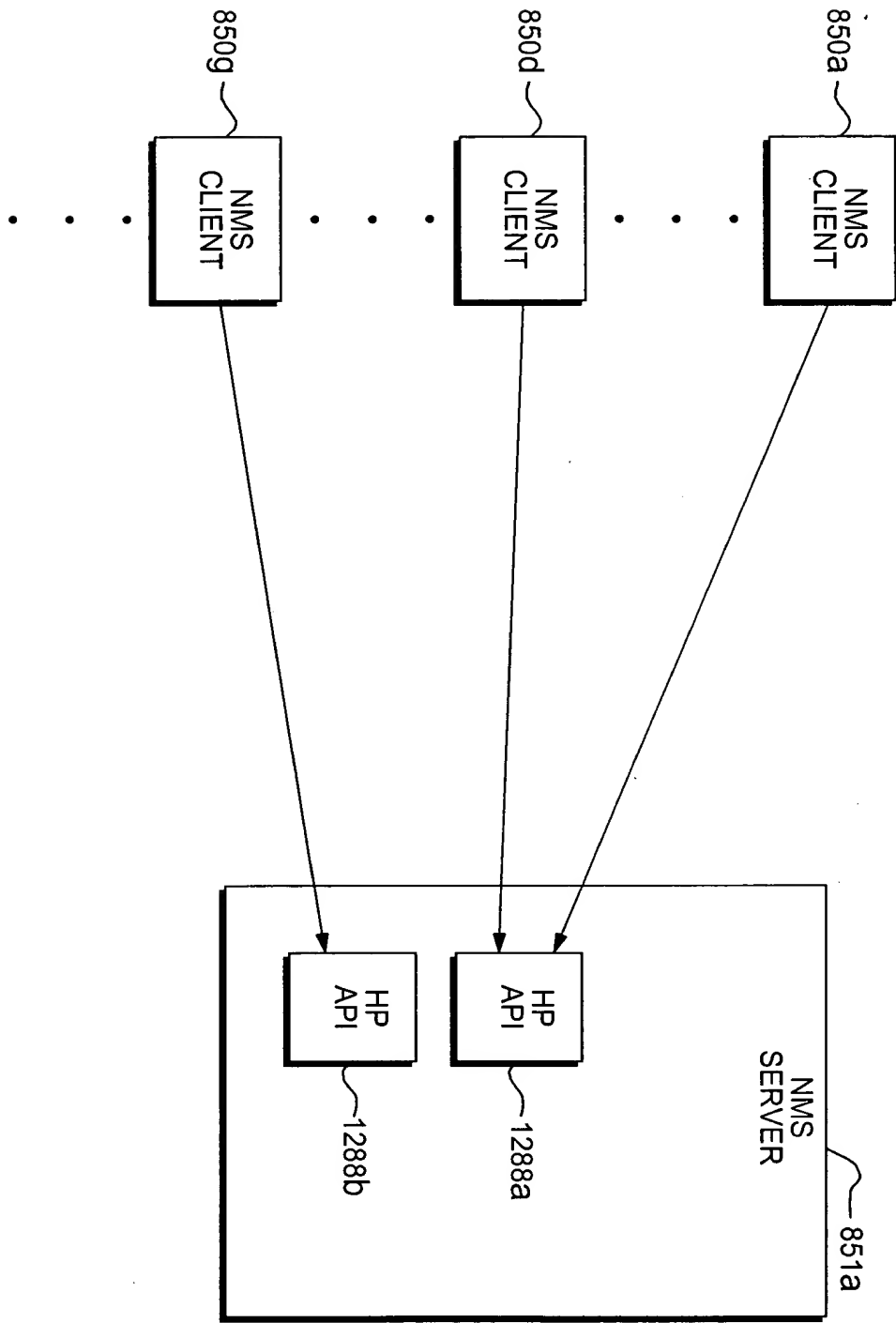


FIG. 2J

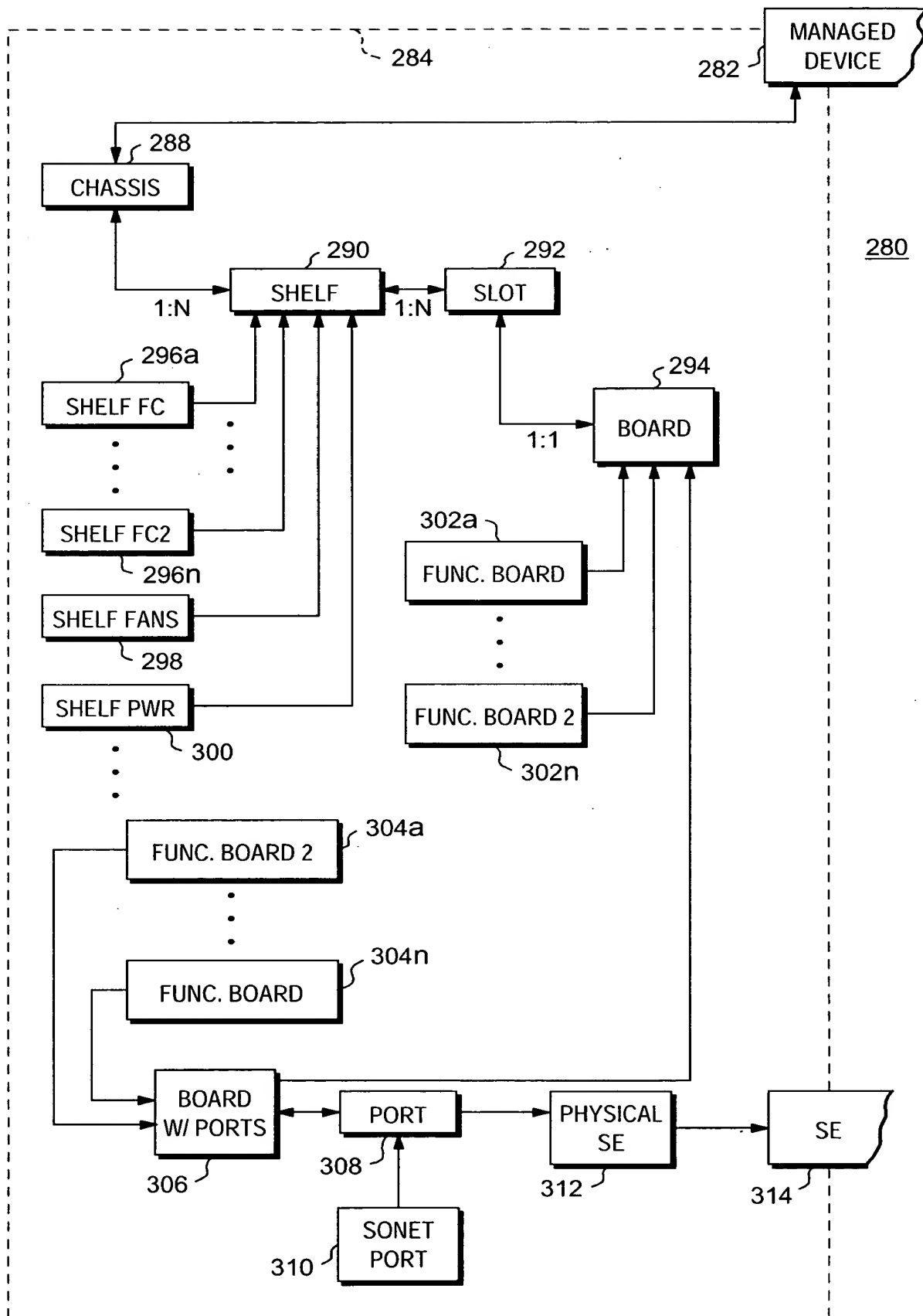


FIG. 3A

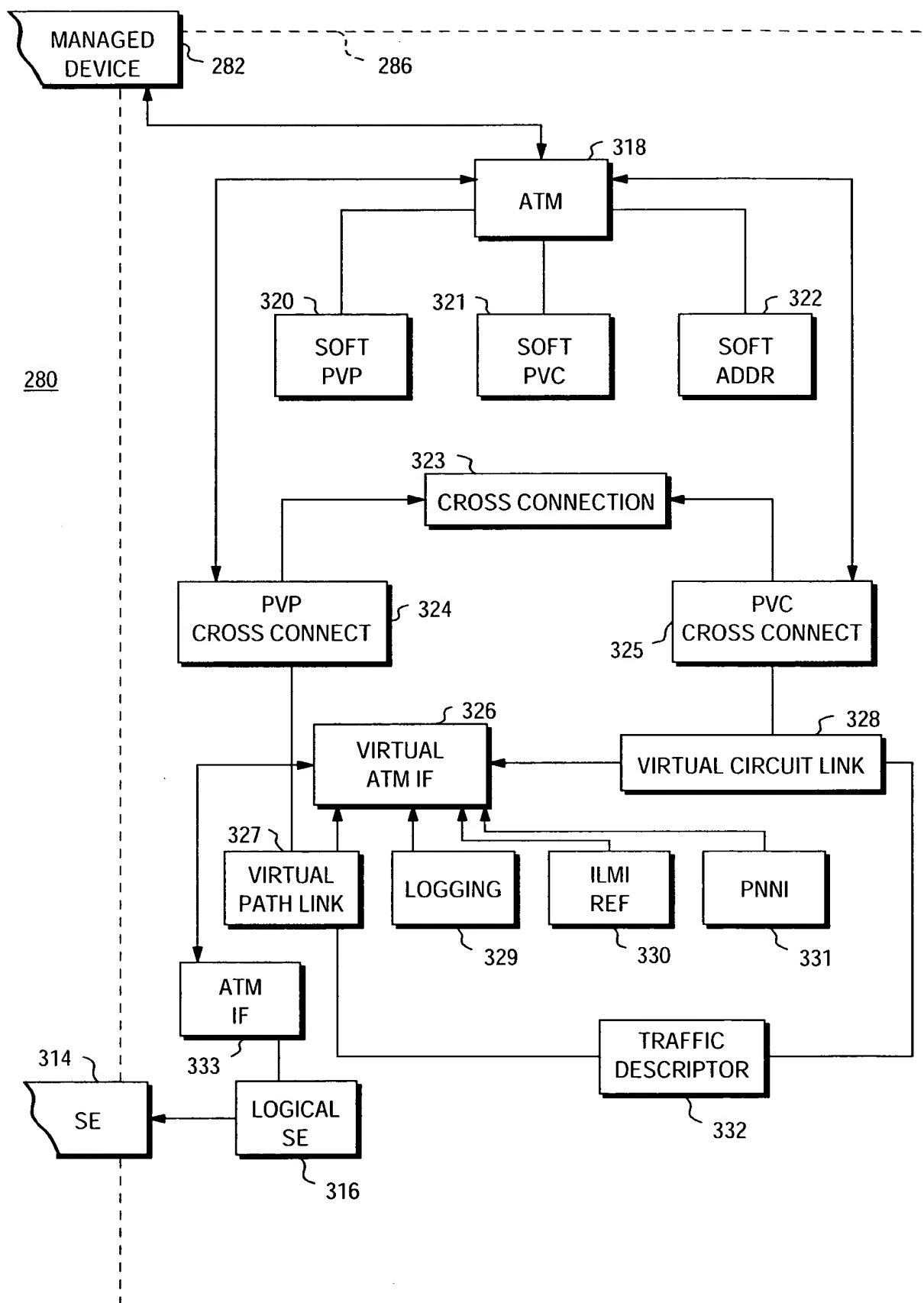


FIG. 3B

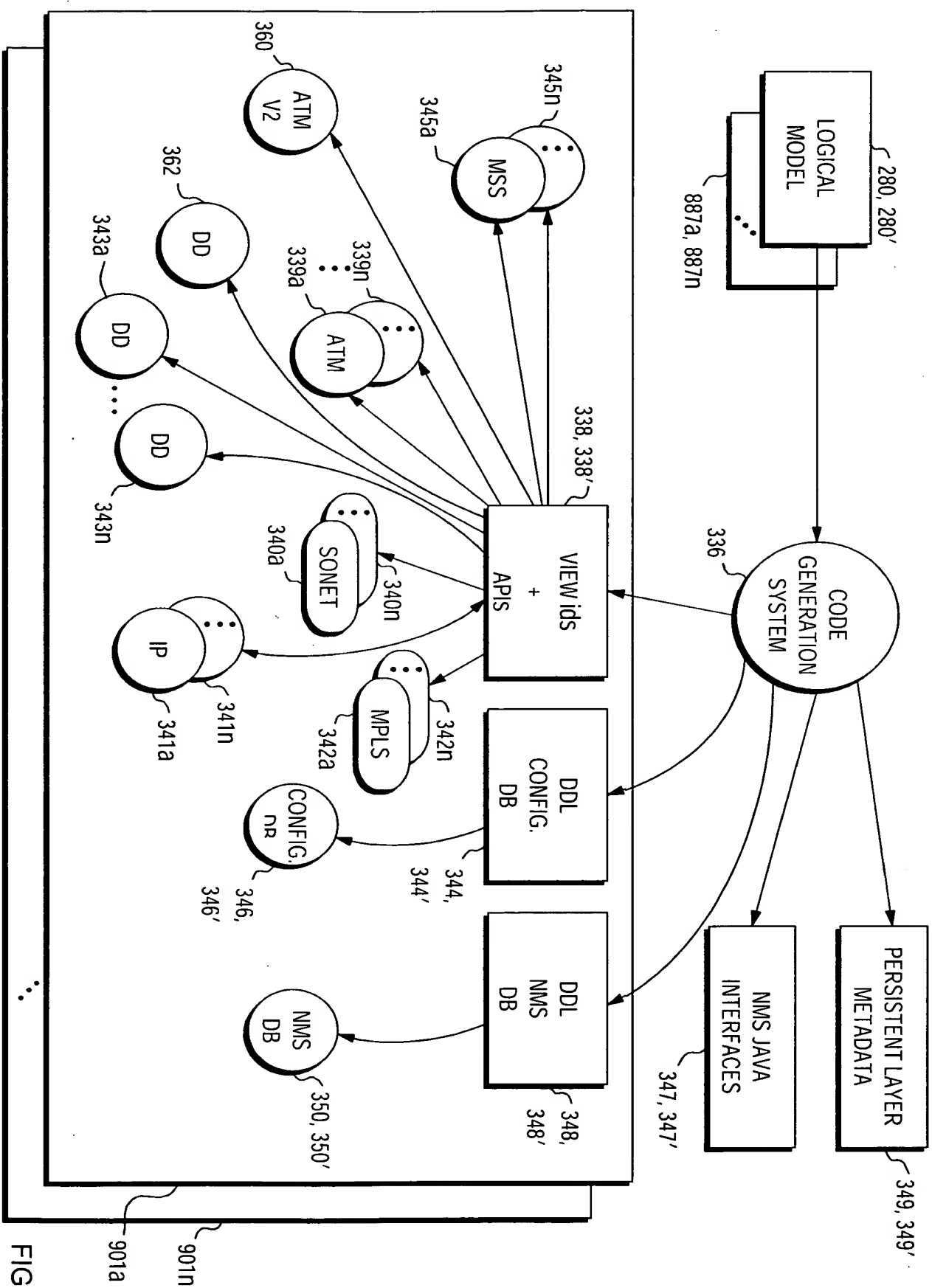


FIG. 3C

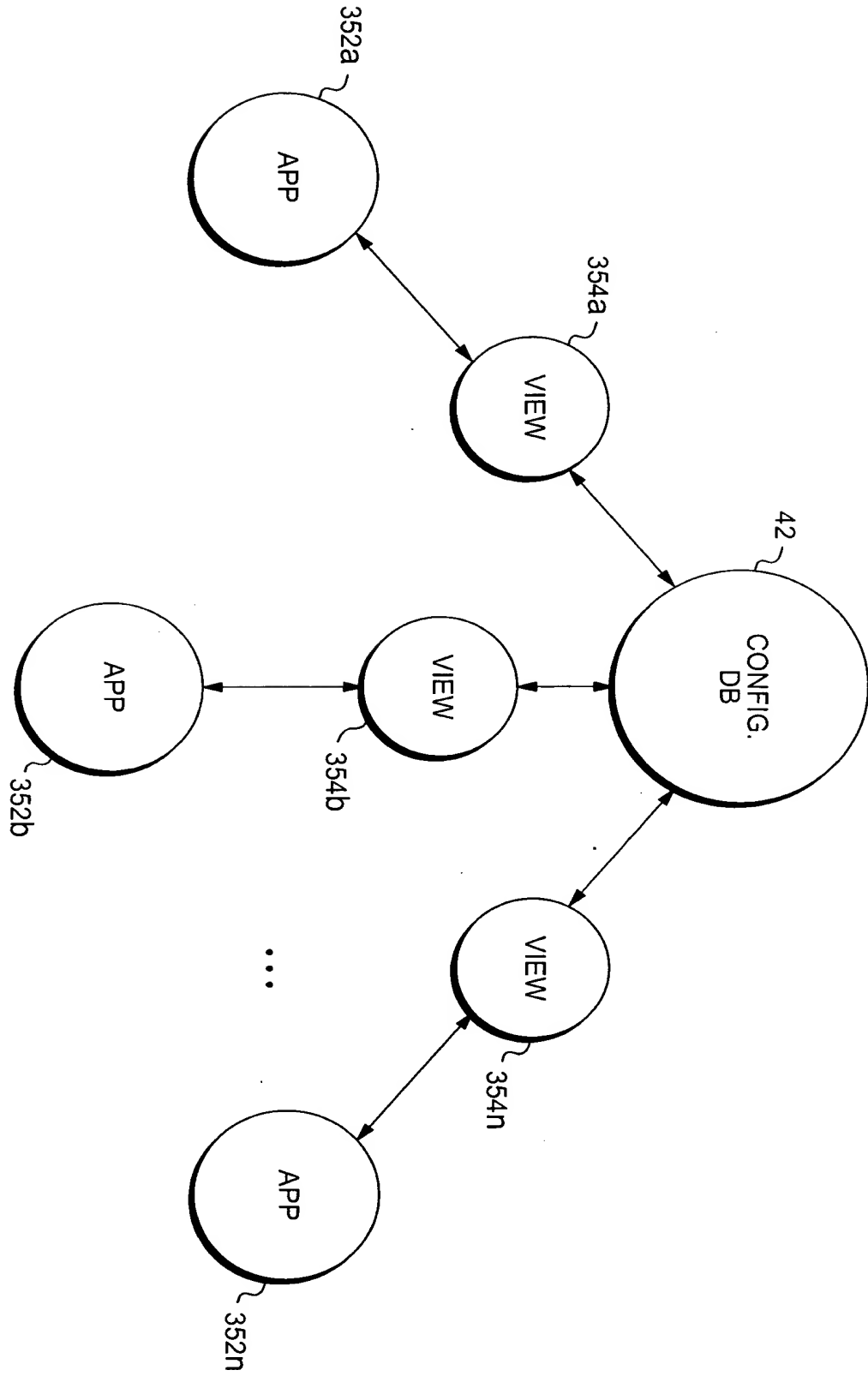


FIG. 3D

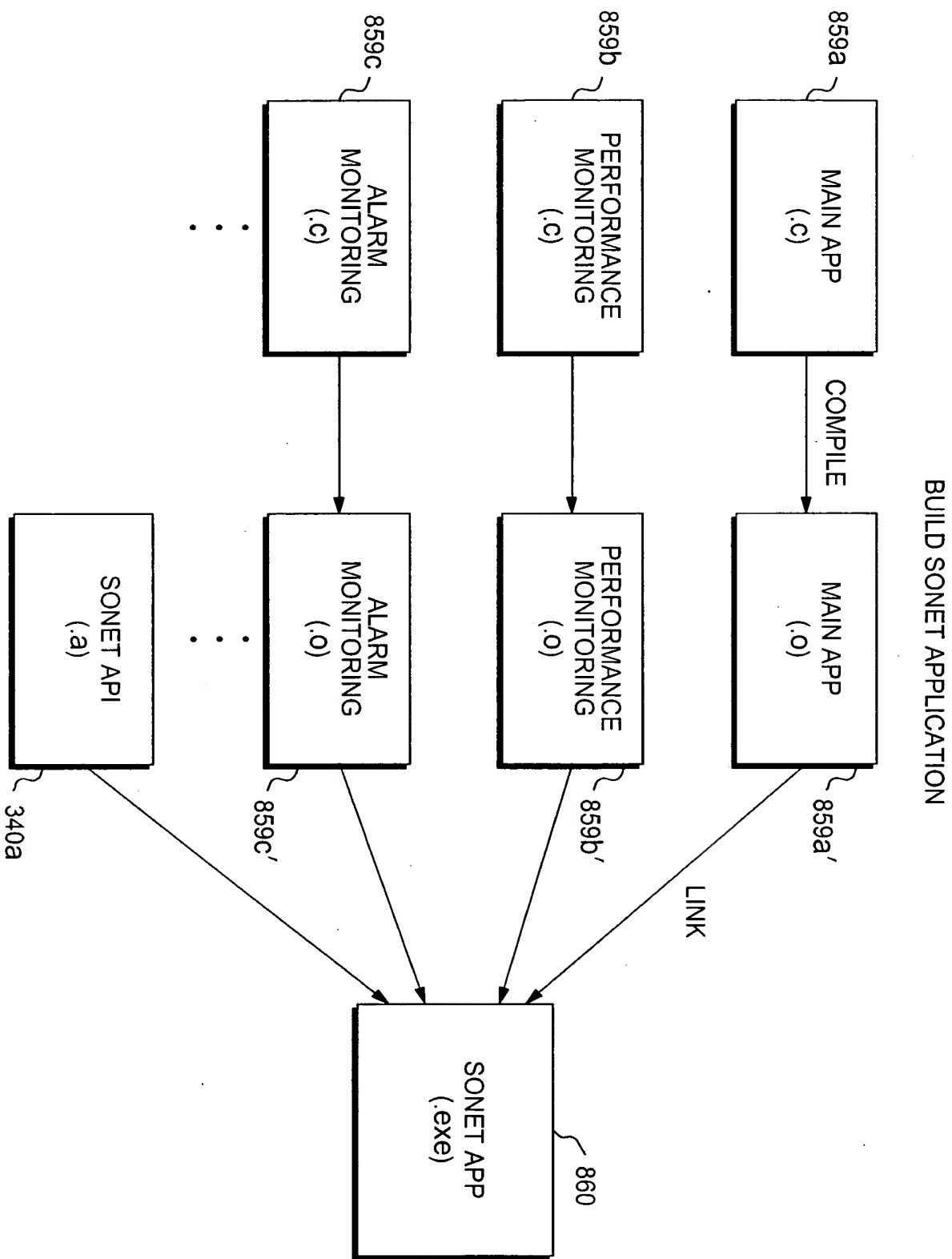


FIG. 3E

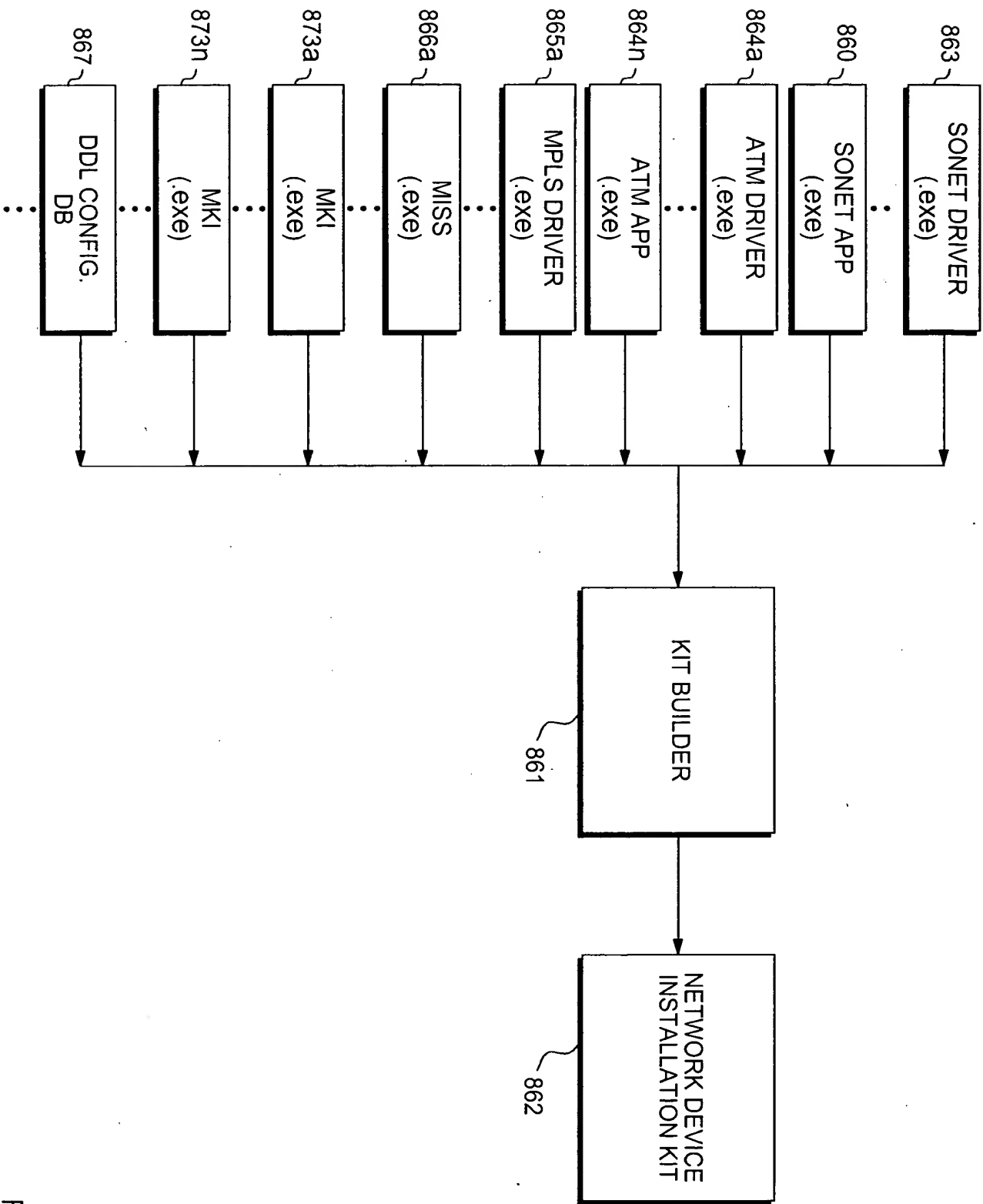


FIG. 3F

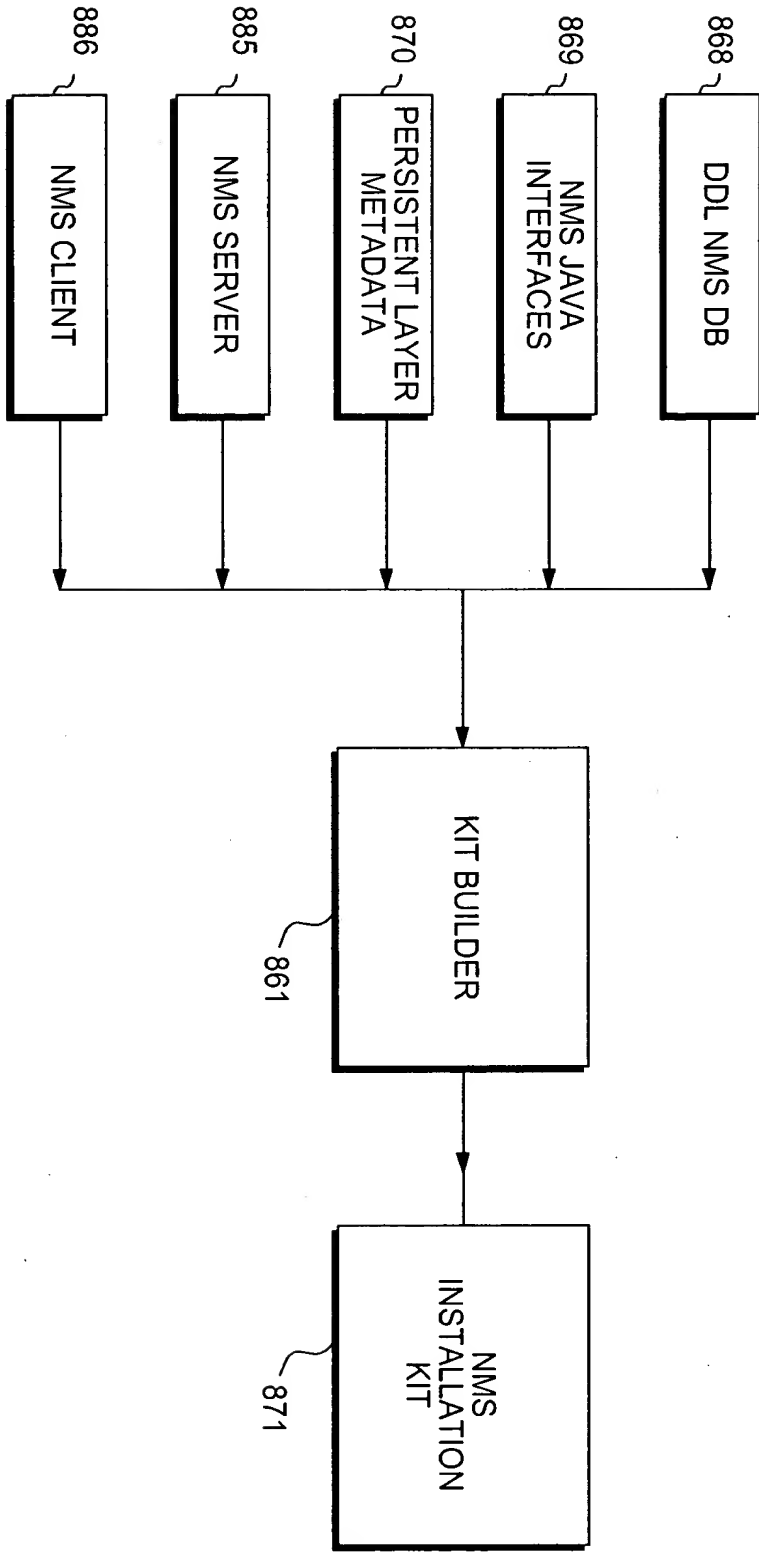


FIG. 3G

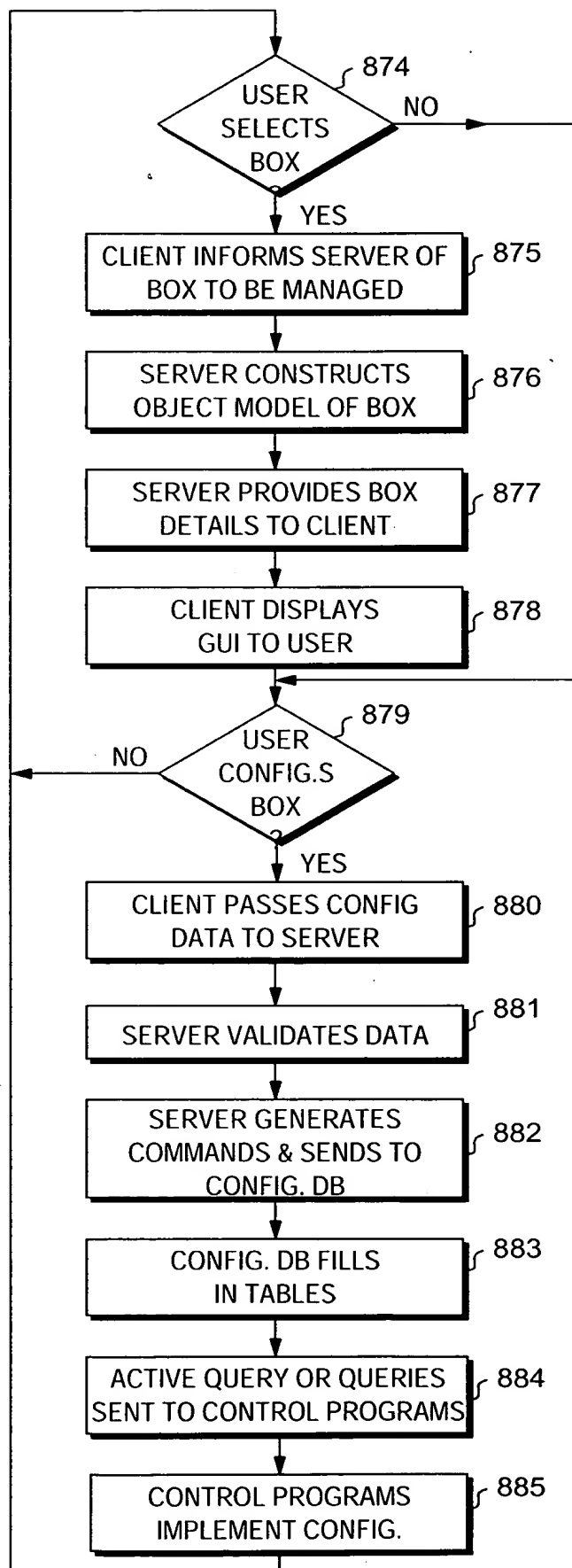


FIG. 3H

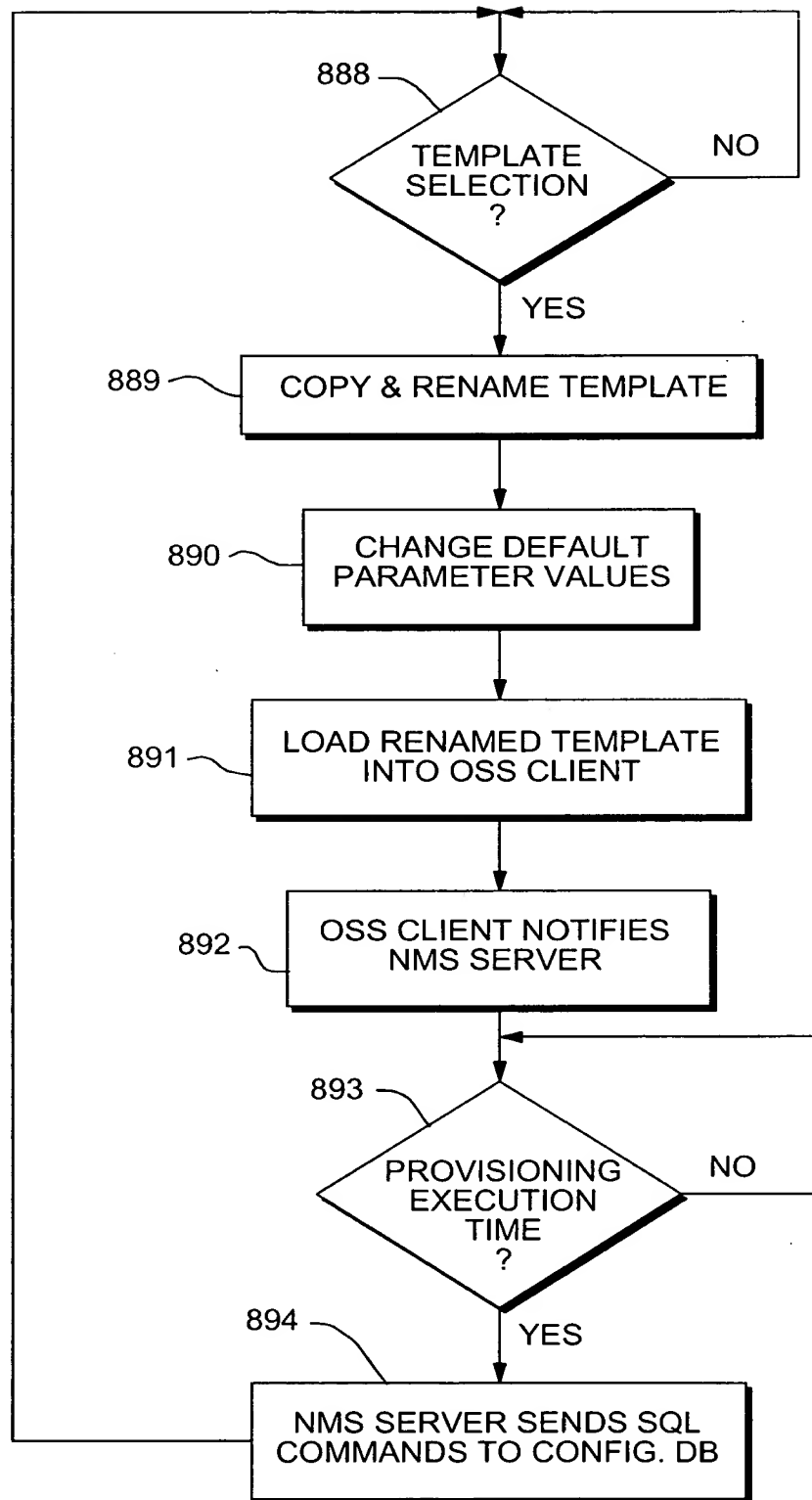


FIG. 3I

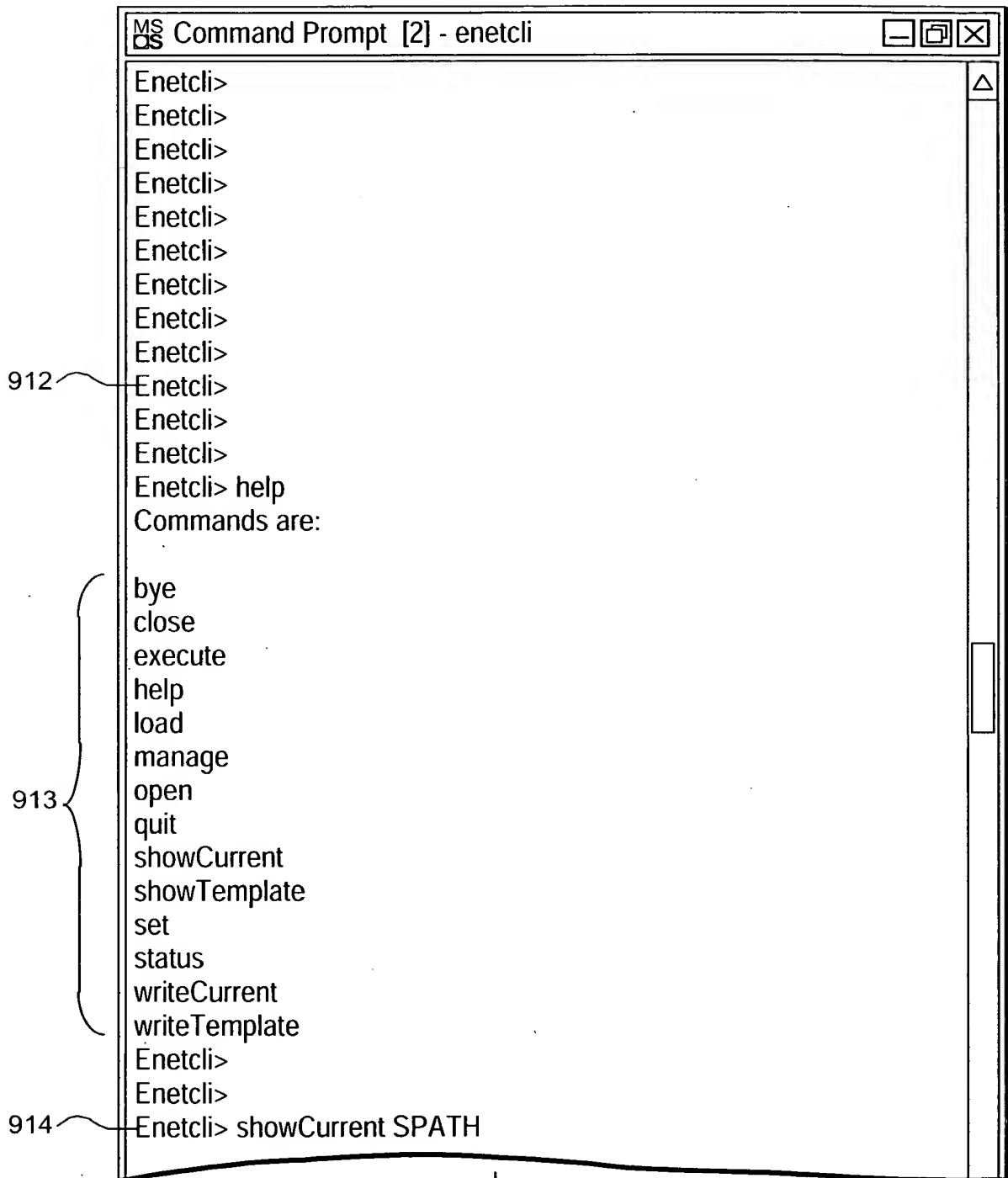


FIG. 3J

FROM FIG. 3J

```

915 { ATMIfName=ATMIf11/1/1
      Concatenated=false
      Name=Path11/1/1
      Operant=SPATH
      Operator=Create
      PortID=1
      Position=1
      Service=ATM
      ShelfID=11
      SlotID=1
      Type=Terminated
      Version=V1_1_0_0
      Width=STS3
      Enetcli>
      Enetcli>
      Enetcli>
916 Enetcli> showTemplate SPATH
      ATMIfName=<String>[TerminatedOnly]
      Concatenated=<true:false>
      Name=<String>
      Operant=SPATH
      Operator=<Create:Replace:Update:Delete>
917 { PortID=<Integer><1-16>
      Position=<Integer>
      Service=<None :ATM>
      ShelfID=<11[top],13[bottom]>
      SlotID=<Integer><1-8>
      Type=<switched :Terminated>
      Version=V1_1_0_0
      Width=<STS1:STS3:STS12:STS48>
      Enetcli>
      Enetcli>
918 Enetcli> status
919 Not currently connected to server
920 Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF
      Enetcli>

```

FIG. 3K

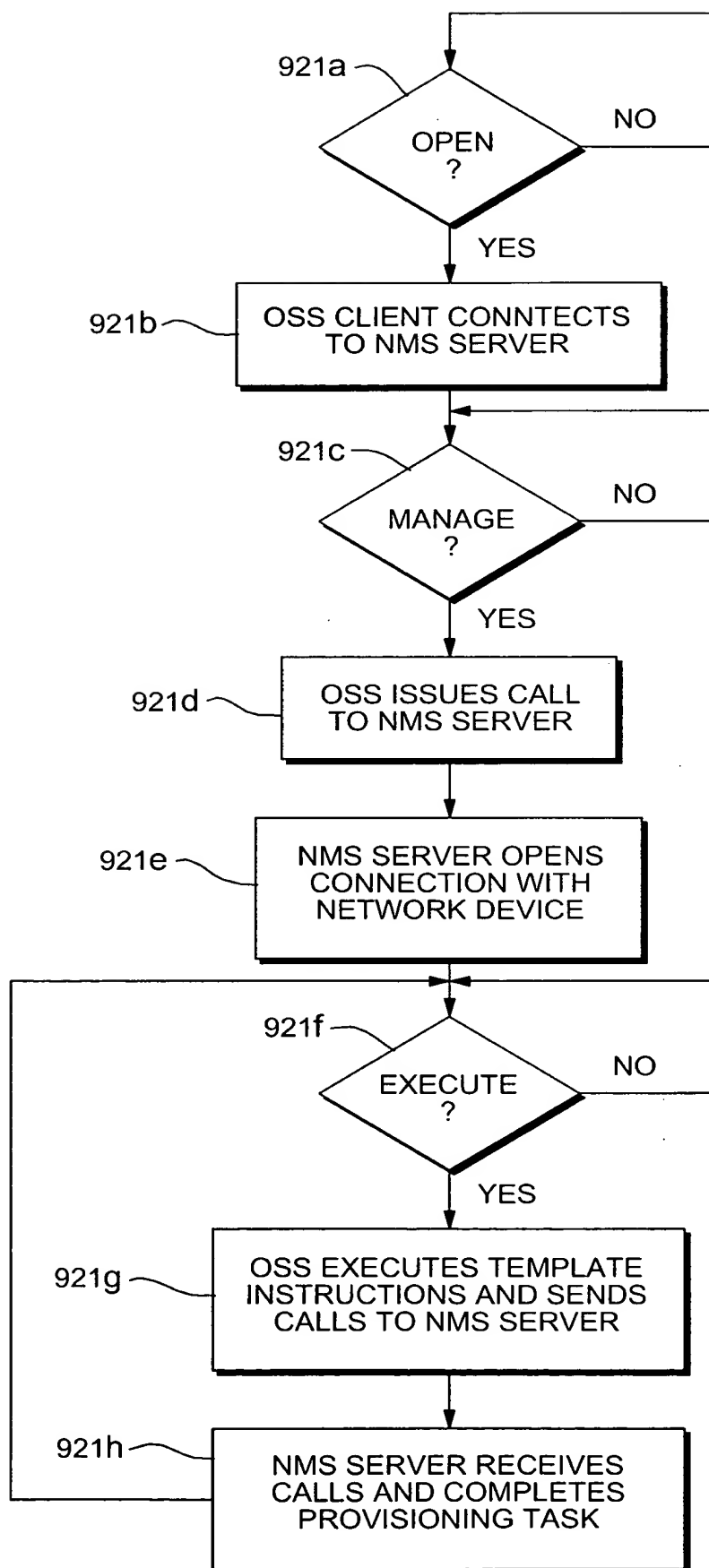


FIG. 3L

```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3M

BATCH

924



Operant=BATCH

Operator=Execute

Version=V1_1_0_0

- 924a ~ TASK1=execute-SPATH
- 924b ~ TASK2=execute-PVC
- 924c ~ TASK3=execute-SPVC
- 924d ~ TASK4=load-SPVC-spvc1
- 924e ~ TASK5=execute-SPVC
- 924f ~ TASK6=load-SPVC-spvc2
- 924e ~ TASK7=execute-SPVC
-
-
-
- 924g ~ TASK50=set-SPATH-PortID-3
- 924h ~ TASK51=execute-SPATH
- 924i ~ TASK52=set-SPATH-SlotID-2
- 924j ~ TASK53=execute-SPATH

FIG. 3N

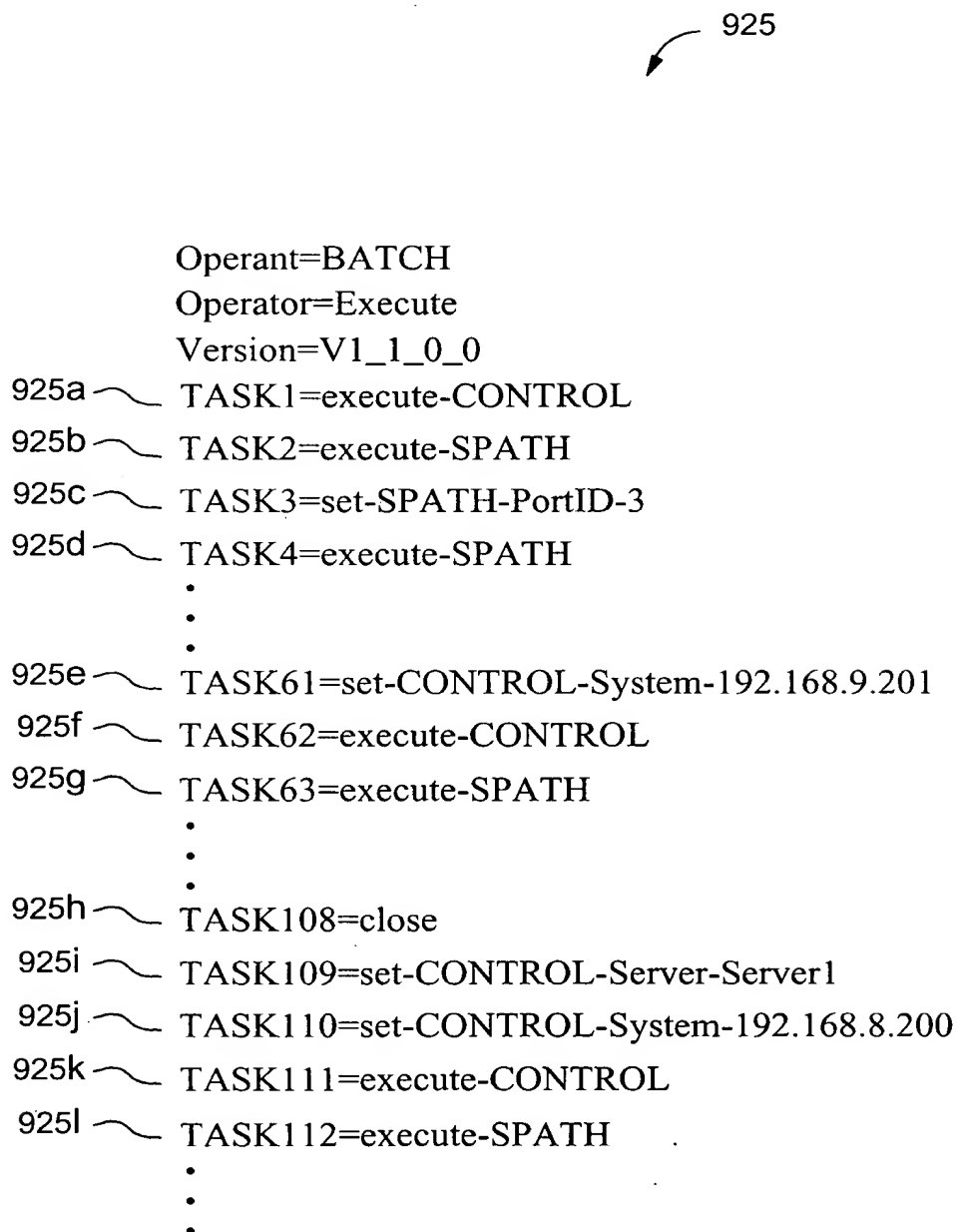
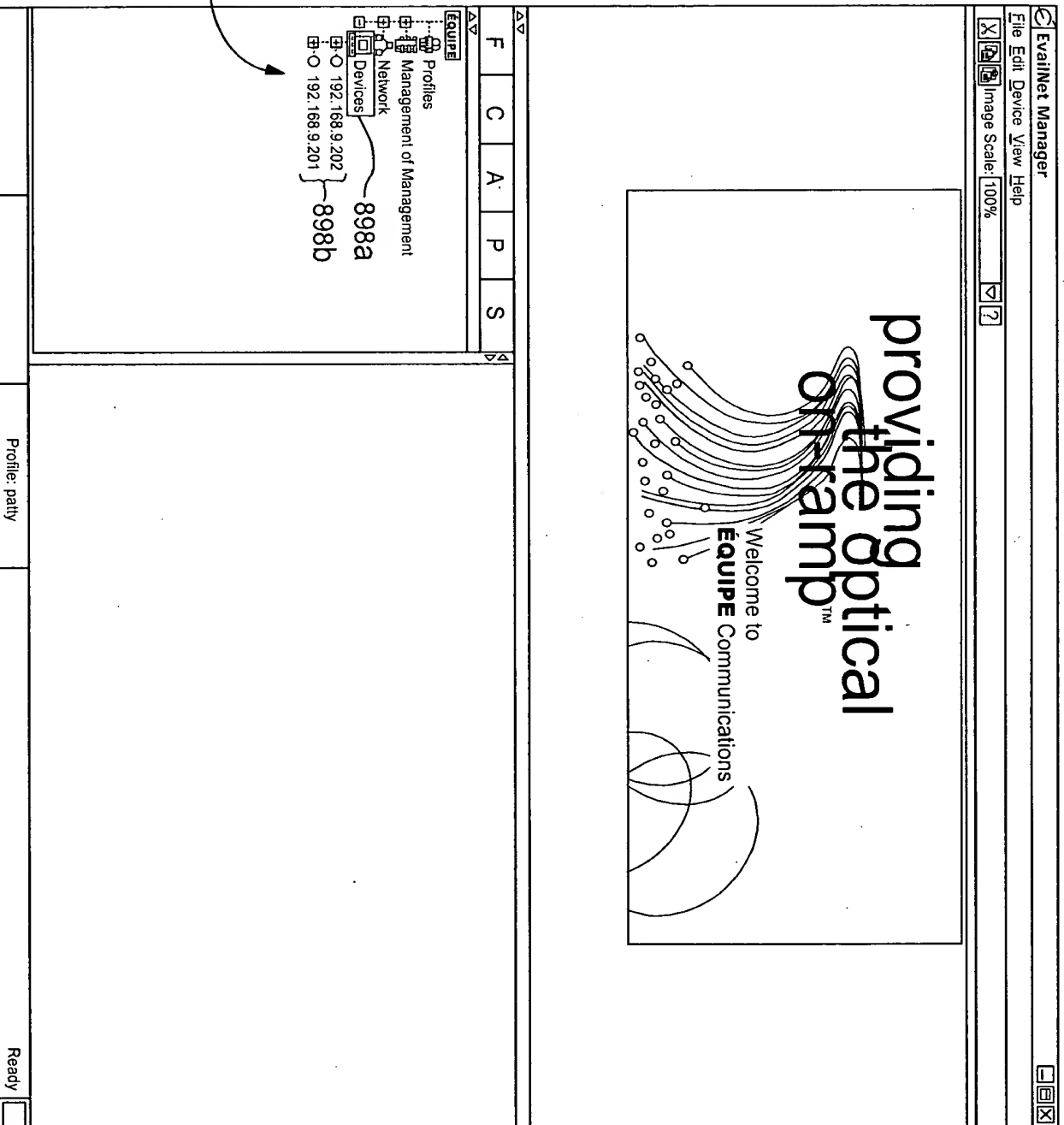


FIG. 30

895



898

FIG. 4A

895

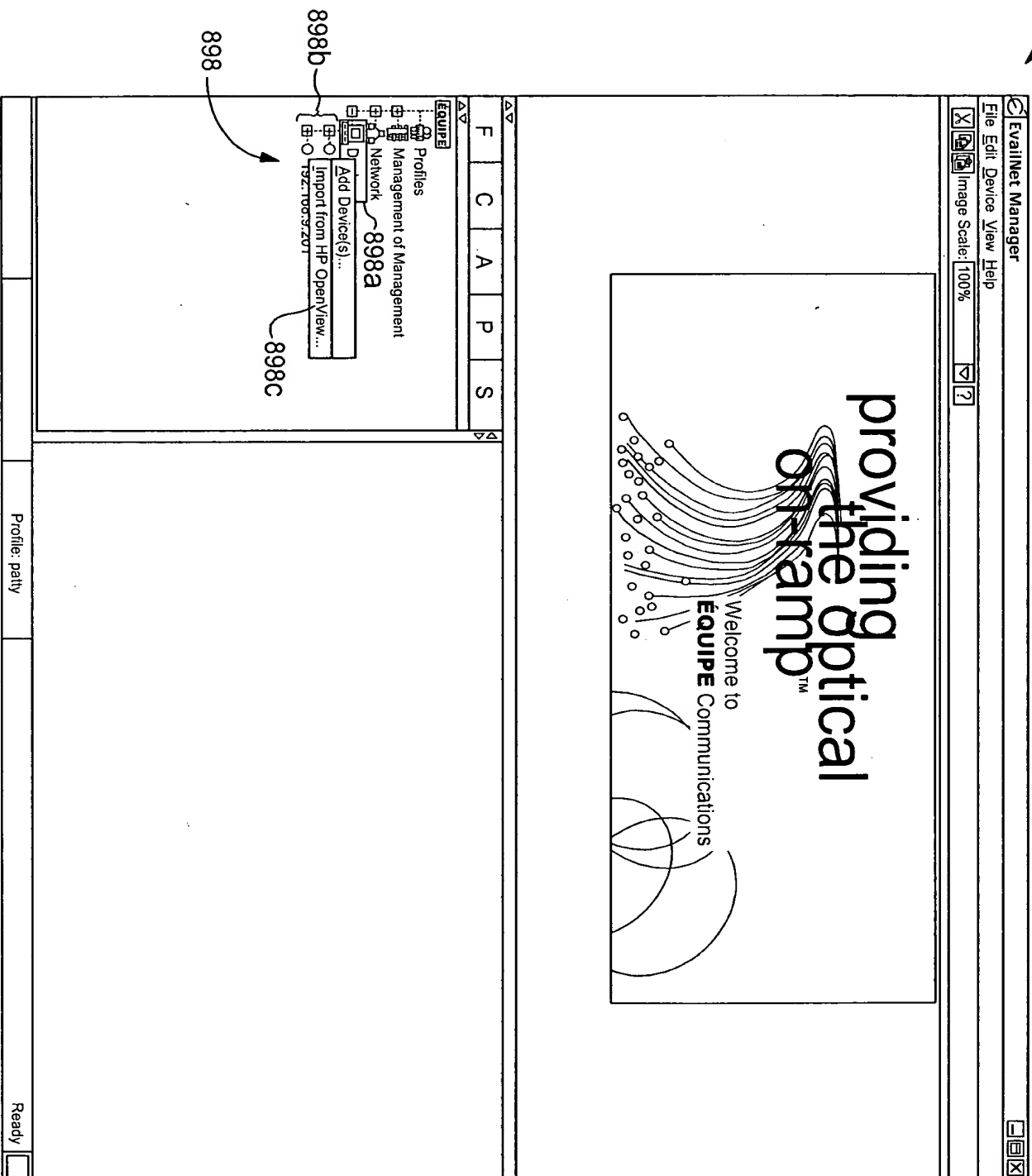


FIG. 4B

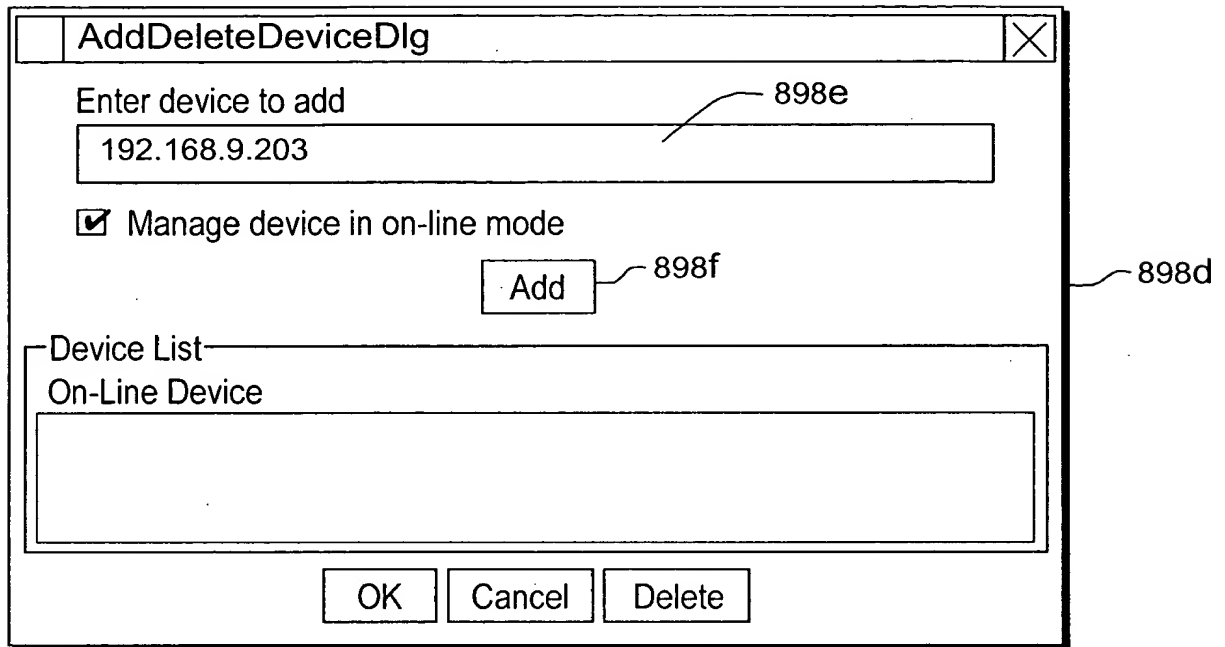


FIG. 4C is a screenshot of a dialog box titled "AddDeleteDeviceDlg". The dialog box has a close button (X) in the top right corner. It contains a text input field labeled "Enter device to add" (898e) with the IP address "192.168.9.203" entered. Below this is a checked checkbox labeled "Manage device in on-line mode". To the right of the checkbox is an "Add" button (898f). Below the "Add" button is a "Device List" section with a sub-label "On-Line Device" and an empty list box. At the bottom of the dialog box are three buttons: "OK", "Cancel", and "Delete". The entire dialog box is labeled 898d.

FIG. 4C

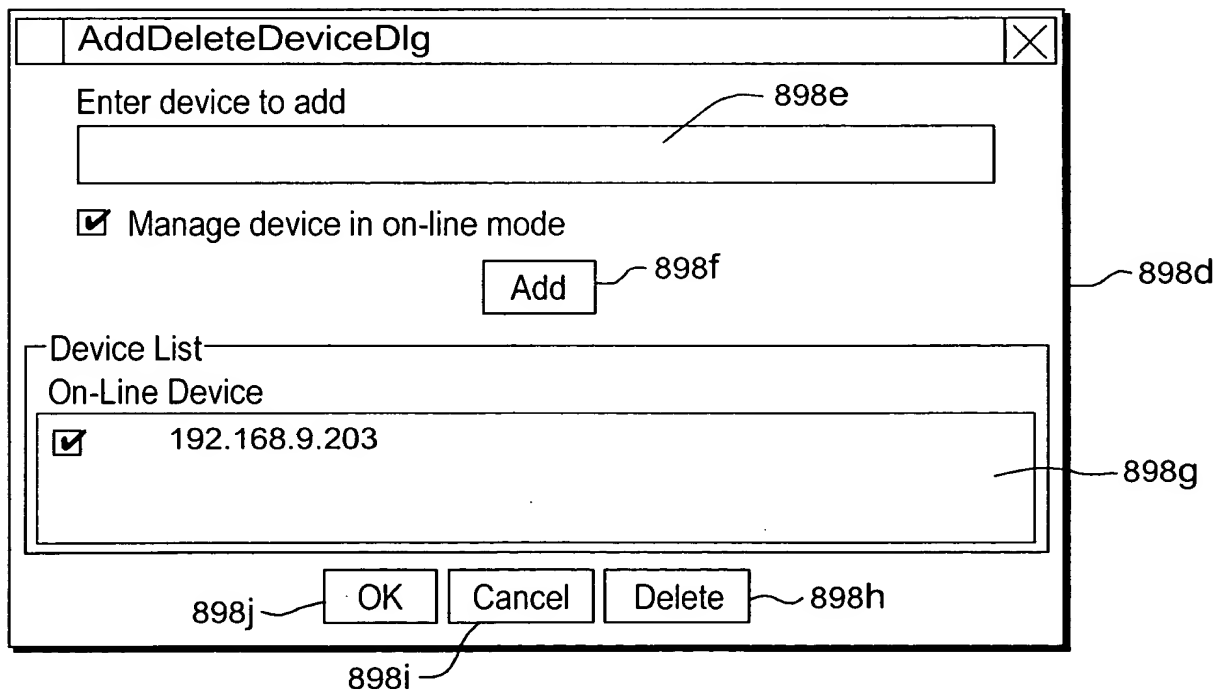
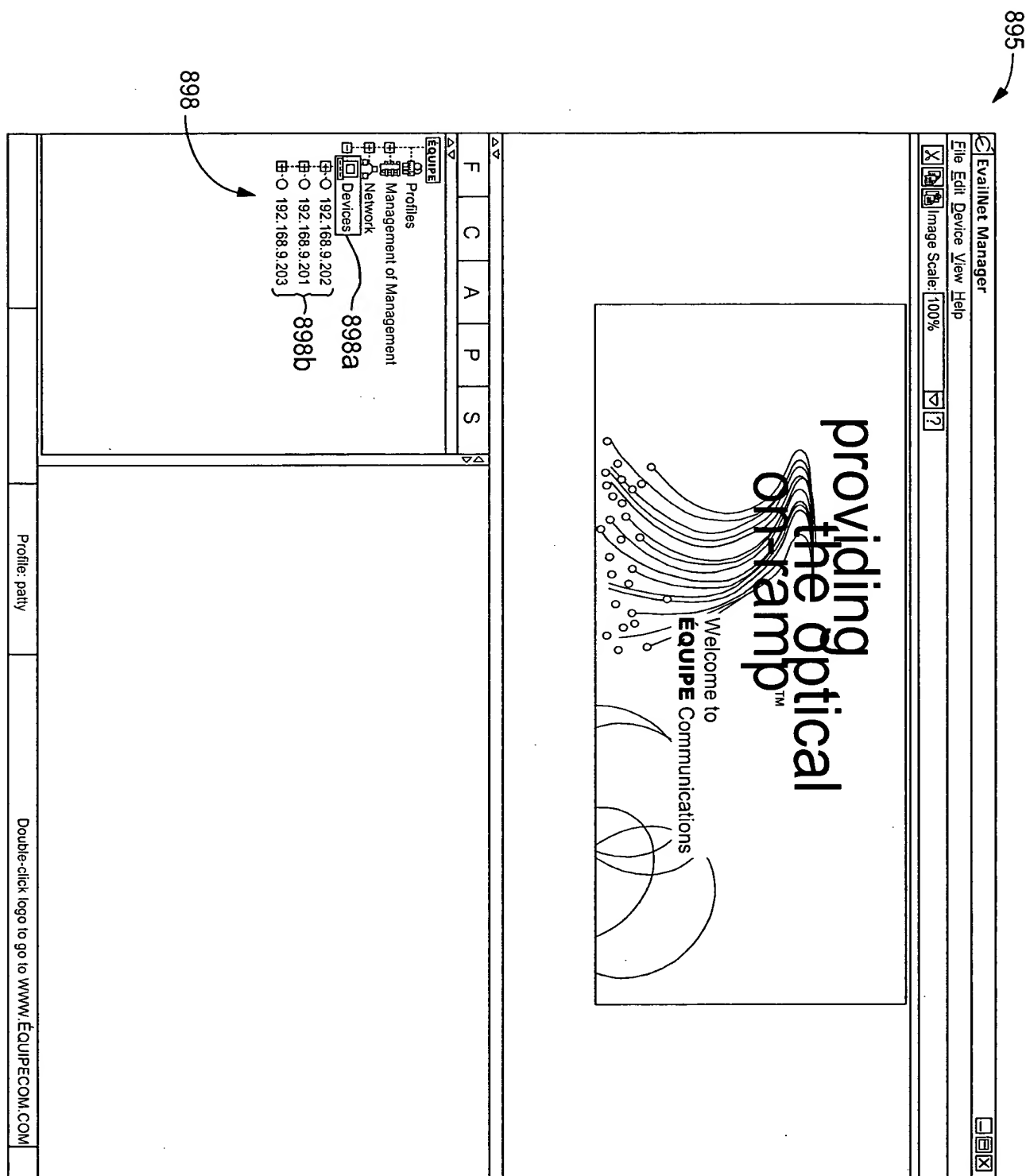


FIG. 4D is a screenshot of the same "AddDeleteDeviceDlg" dialog box as in FIG. 4C, but with the "On-Line Device" list box populated. The list box (898g) now contains one entry: a checked checkbox followed by the IP address "192.168.9.203". The "Add" button (898f) is still present. The "OK" button is labeled 898j, the "Cancel" button is labeled 898i, and the "Delete" button is labeled 898h. The entire dialog box is labeled 898d.

FIG. 4D

FIG. 4E



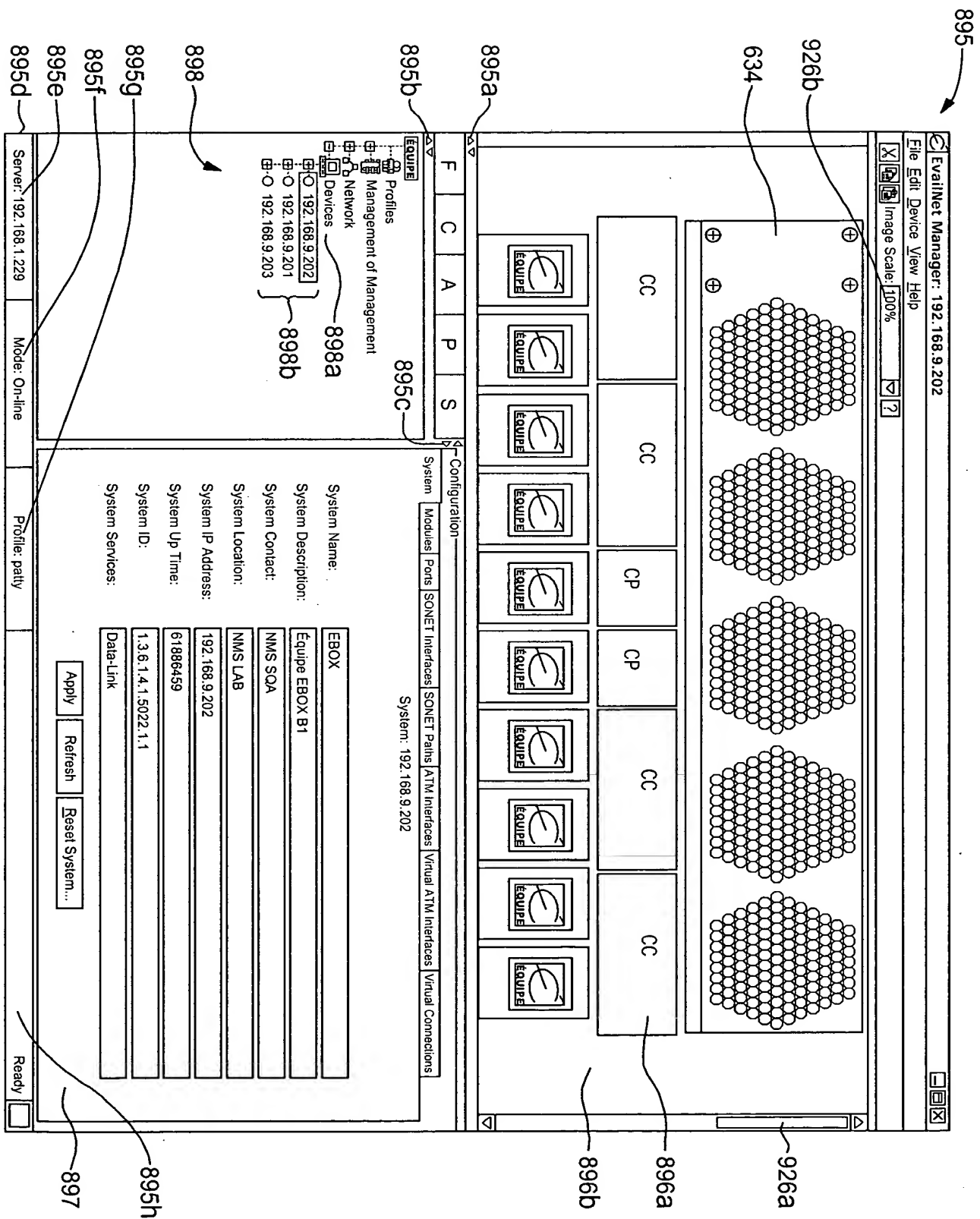


FIG. 4F

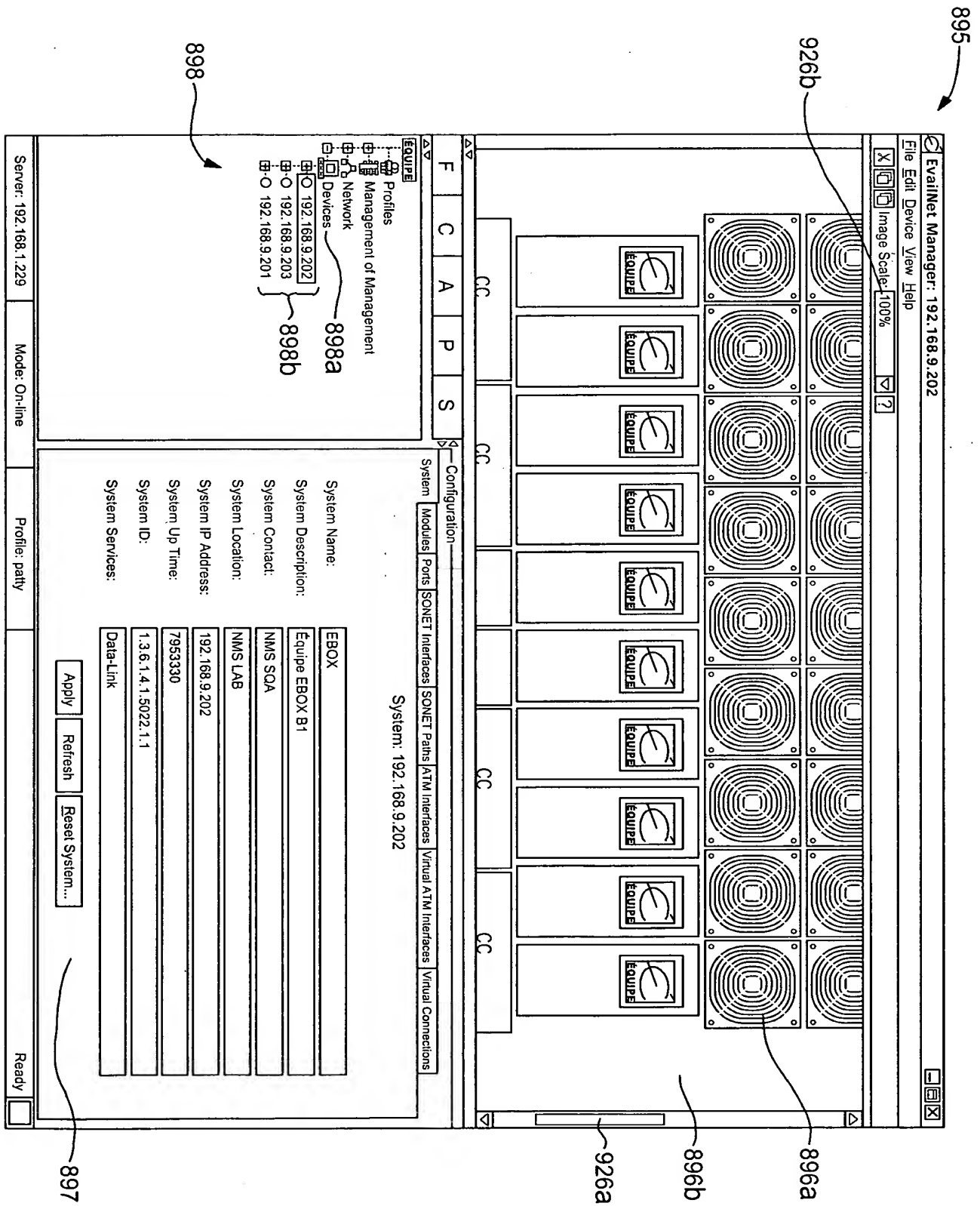


FIG. 4G

FIG. 4H

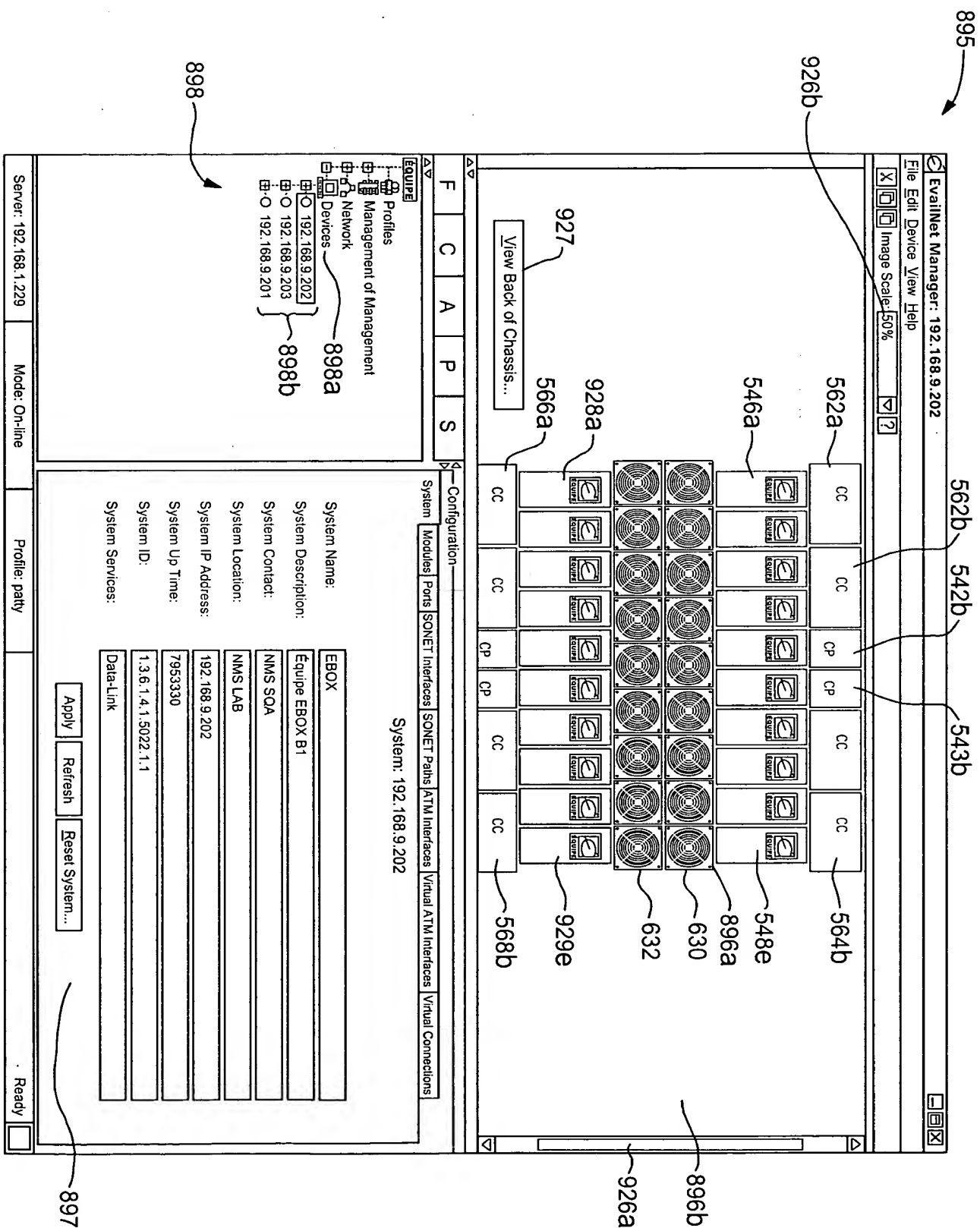
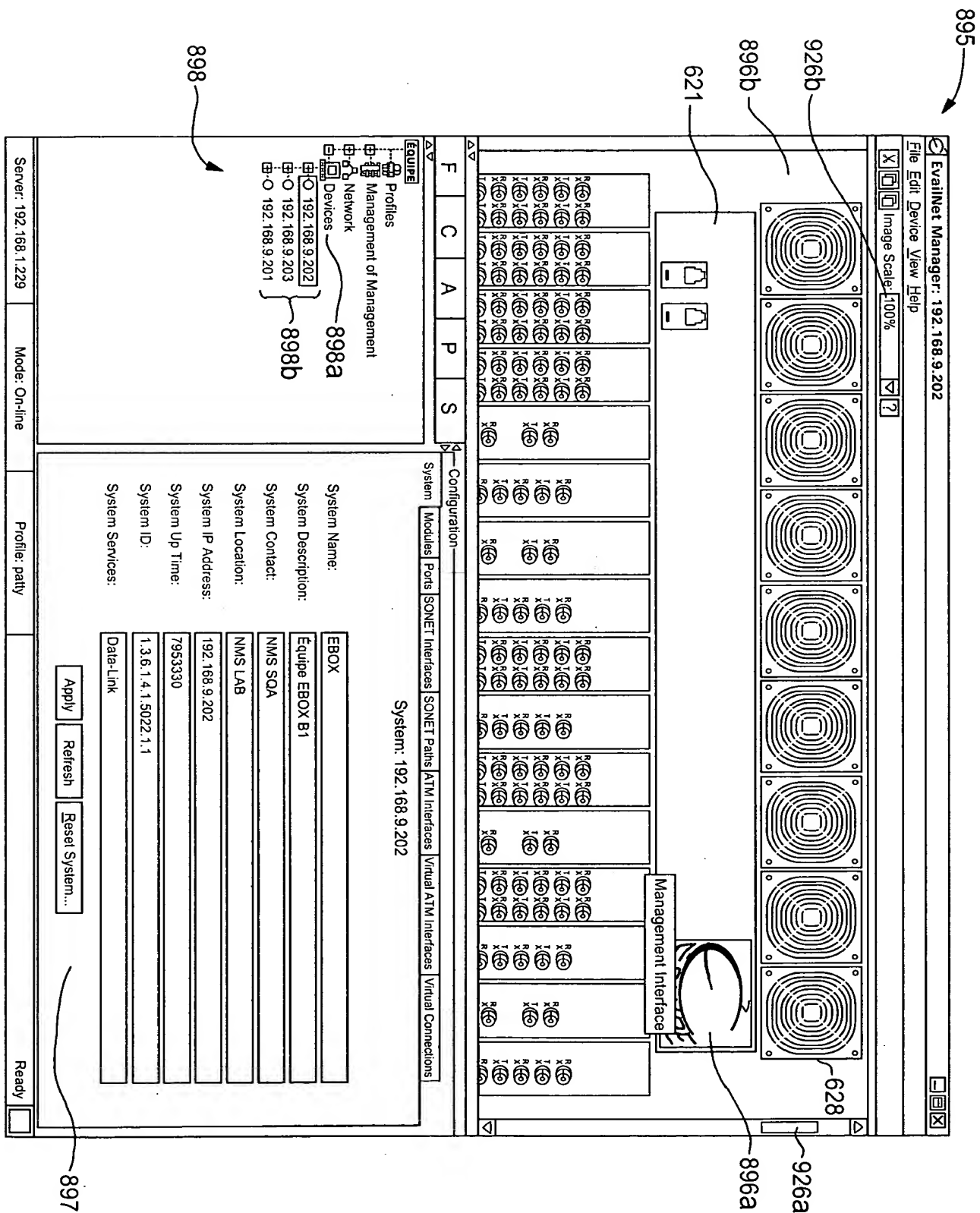


FIG. 41



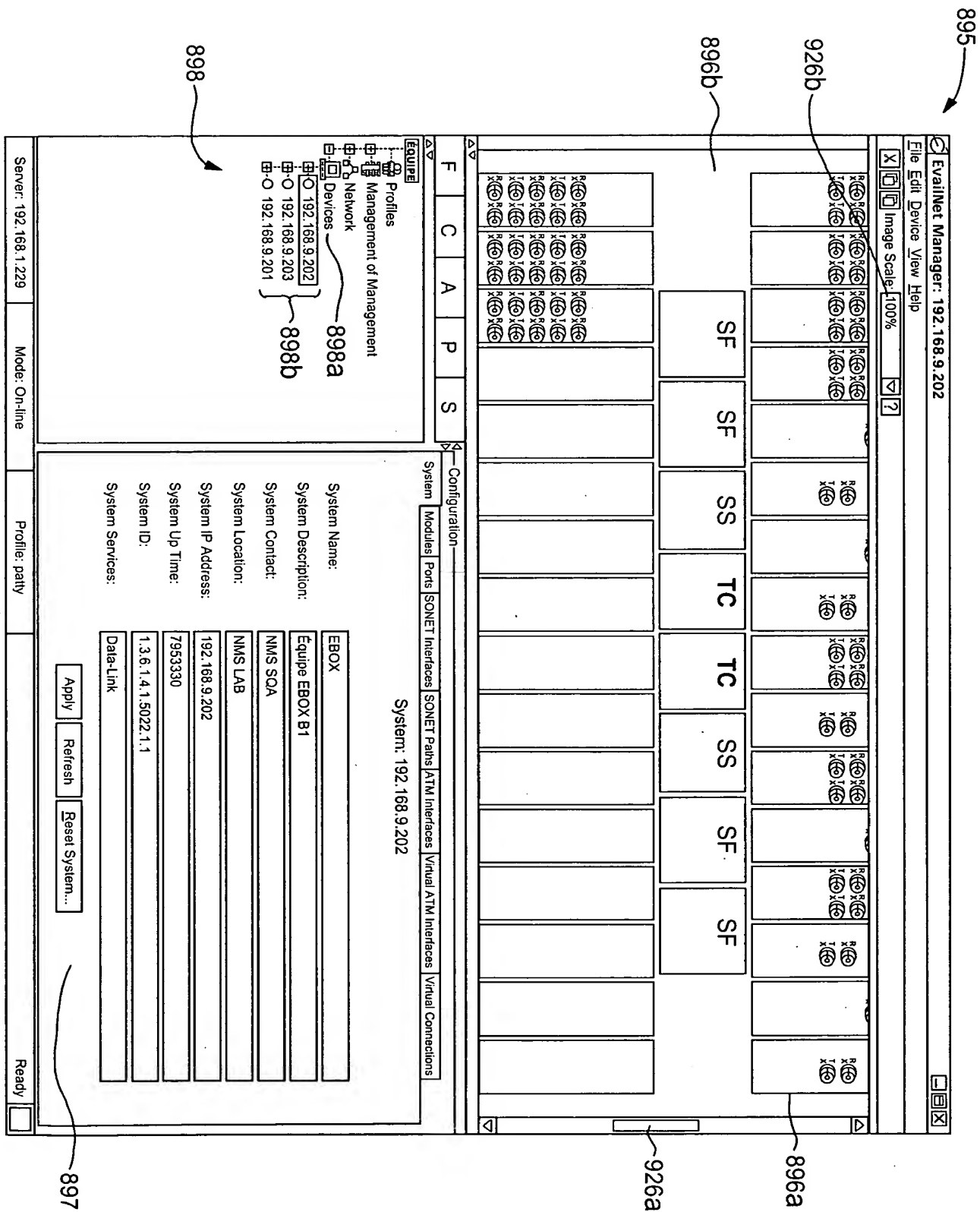


FIG. 4J

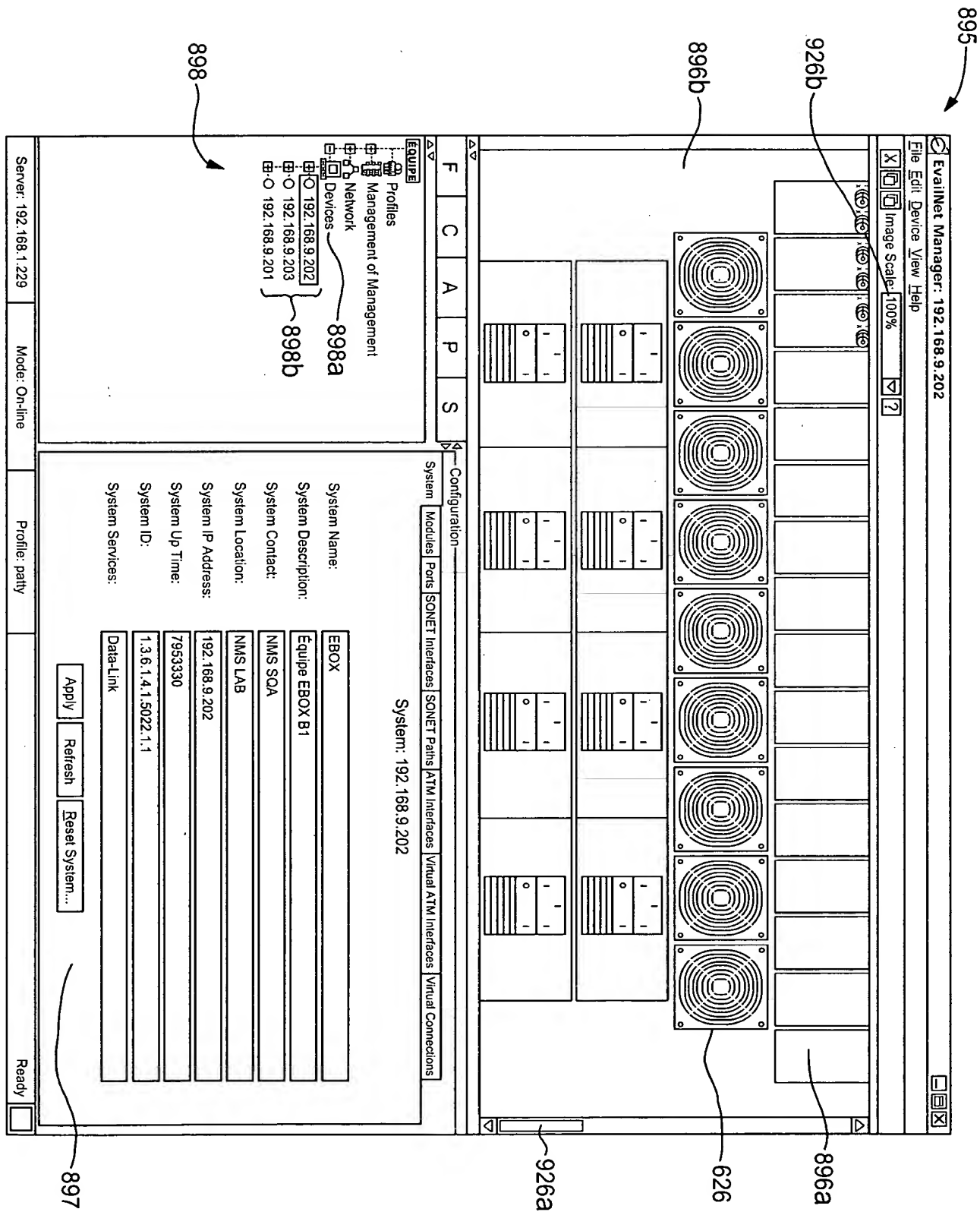
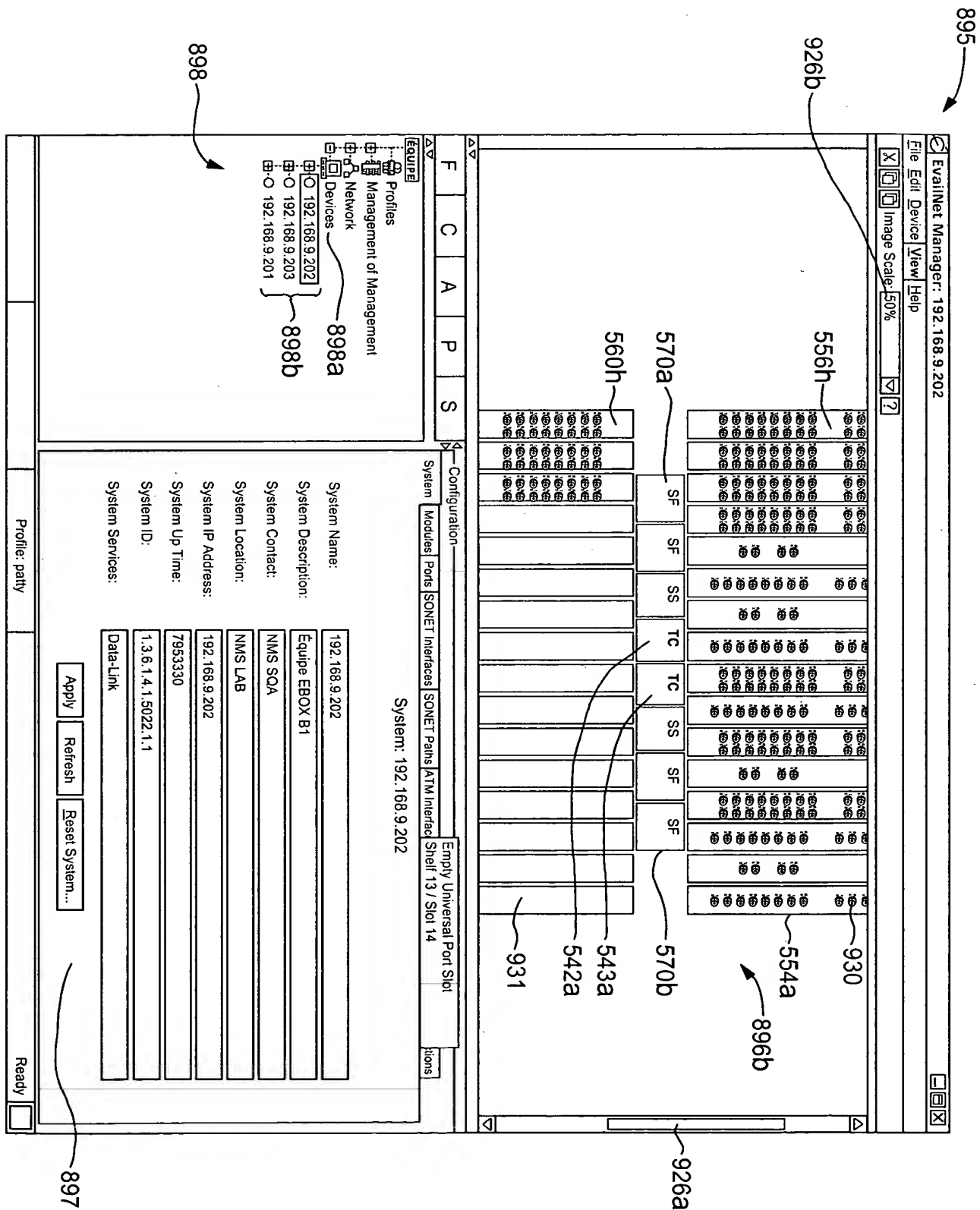


FIG. 4K

FIG. 4L



EvaiNet Manager: 192.168.9.202

File Edit Device View Help

Refresh F5
Modules Toolbox
System View

954

Preferences
[?] [?]

Equipment

Profiles
Management of Management

Network

Devices

192.168.9.202

192.168.9.201

192.168.9.203

Configuration

System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.202

System Name: 192.168.9.202

System Description: Équipe EBOX B1

System Contact: NMS SCA

System Location: NMS LAB

System IP Address: 192.168.9.202

System Up Time: 70507655

System ID: 1.3.6.1.4.1.5022.1.1

System Services: Data-Link

Apply

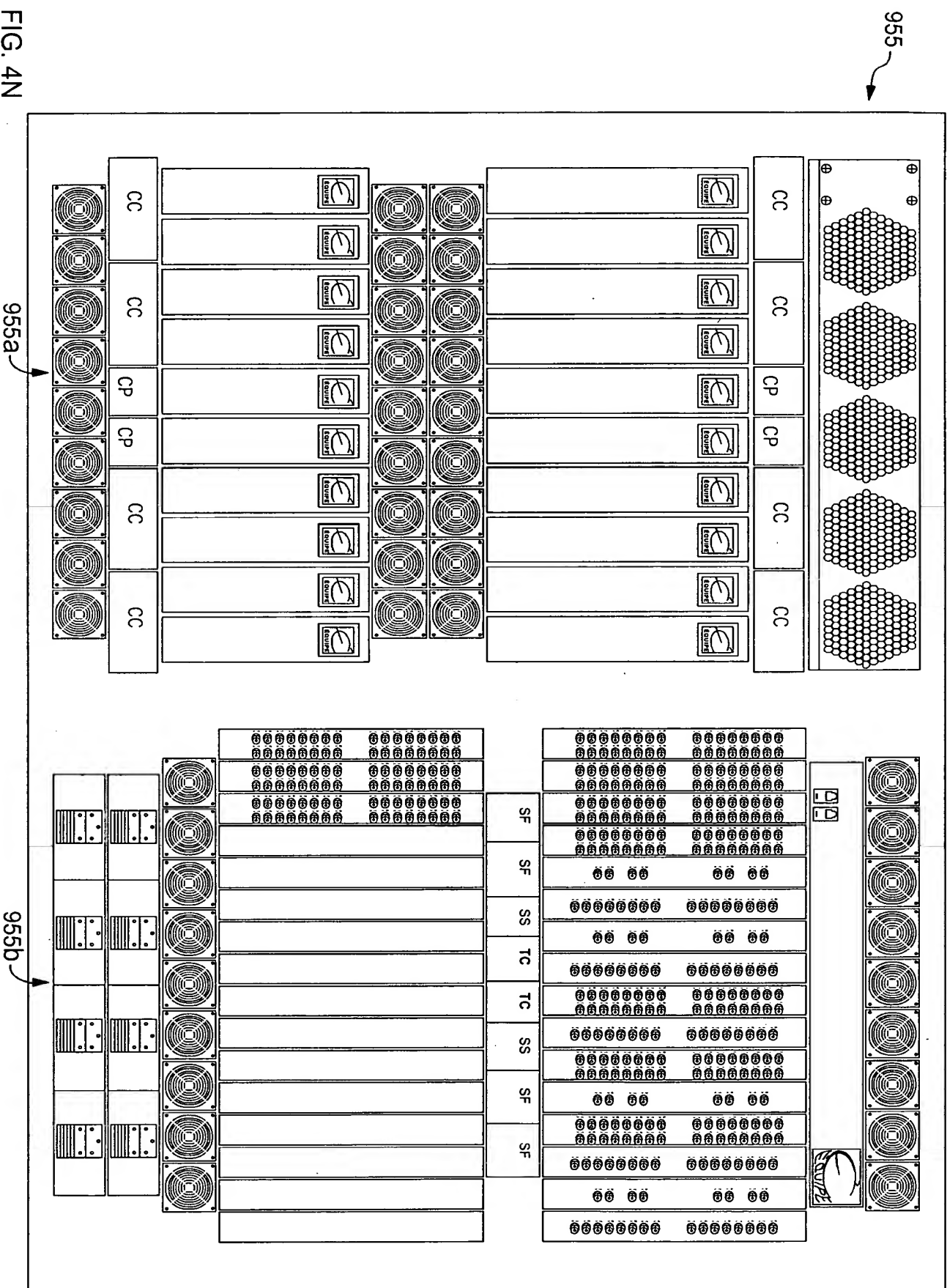
Refresh

Reset System...

Profile: patty

Ready

FIG. 4M



897

FIG. 40

897

FIG. 4P

895

556d

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

Equipement

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.203

192.168.9.201

System Name:

System Description:

System Contact:

System Location:

System IP Address:

System Up Time:

System ID:

System Services:

EBOX

Équipe EBOX B1

NMS SQA

NMS LAB

192.168.9.202

7953330

1.3.6.1.4.1.5022.1.1

Data-Link

Apply

Refresh

Reset System...

System: 192.168.9.202

Configuration

Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

4 Port OC48 Universal Port Module 932C

Slot 1/Slot 5

556d

897

FIG. 4Q

895

556C

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

Equip

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.203

192.168.9.201

System Name:

System Description:

System Contact:

System Location:

System IP Address:

System Up Time:

System ID:

System Services:

EBOX

Équipe EBOX B1

NMS SCA

NMS LAB

192.168.9.202

7953330

1.3.6.1.4.1.5022.1.1

Data-Link

Apply

Refresh

Reset System...

Server: 192.168.1.229

Mode: On-line

Profile: patly

Ready

Configuration

System

Modules

Ports

SONET Interfaces

SONET Ports

ATM Interfaces

Virtual ATM Interfaces

Virtual Connections

System: 192.168.9.202

8 Port OC12 Universal Port Module

Shelf 1/Slot 6

FIG. 4R

897

897

FIG. 4S

895

556d

EvailNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

F C A P S

Configuration

System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.202

Module Details

Shell & Slot	Location	Description	Oper. Status	Temperature	Version	Mfg. Date	Part
7/6	front	Cross Connect	Status Unknown	Temp Unknown			
8/1	front	Small Fan Tray	Status Unknown	Temp Unknown			
9/1	back	Small Fan Tray	Status Unknown	Temp Unknown			
10/1	back	Management Interface	Status Unknown	Temp Unknown			
11/1	back	16 Port OC3 Universal Port	Status Unknown	Temp Unknown			
11/2	back	16 Port OC3 Universal Port	Status Unknown	Temp Unknown			
11/3	back	16 Port OC3 Universal Port	Status Unknown	Temp Unknown			
11/4	back	16 Port OC12 Universal Port	Status Unknown	Temp Unknown			
11/5	back	4 Port OC48 Universal Port	Status Unknown	Temp Unknown			
11/6	back	8 Port OC12 Universal Port	Status Unknown	Temp Unknown			
11/7	back	4 Port OC48 Universal Port	Status Unknown	Temp Unknown			
11/8	back	8 Port OC12 Universal Port	Status Unknown	Temp Unknown			
11/9	back	16 Port OC12 Universal Port	Status Unknown	Temp Unknown			
11/10	back	8 Port OC12 Universal Port	Status Unknown	Temp Unknown			

Module Count: 64

Refresh Reset Module(s) Software...

Server: 192.168.1.229

Mode: On-line

Profile: patty

Ready

896a

937

897

FIG. 4T

895

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

?

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.203

192.168.9.201

Port Details

Shell / Slot / Port	Location	Name	Type	Speed	Admin. Status	Oper. Status	Link Status
11/3/10	back	Sonet Port 10	SONET	0 Mbps	Down	Unknown	Up
11/3/11	back	Sonet Port 11	SONET	0 Mbps	Down	Unknown	Up
11/3/12	back	Sonet Port 12	SONET	0 Mbps	Down	Unknown	Up
11/3/13	back	Sonet Port 13	SONET	0 Mbps	Down	Unknown	Up
11/3/14	back	Sonet Port 14	SONET	0 Mbps	Down	Unknown	Up
11/3/15	back	Sonet Port 15	SONET	0 Mbps	Down	Unknown	Up
11/3/16	back	Sonet Port 16	SONET	0 Mbps	Down	Unknown	Up
11/4/1	back	Sonet Port 1	SONET	0 Mbps	Down	Unknown	Up
11/4/2	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/3	back	Sonet Port 3	SONET	0 Mbps	Down	Unknown	Up
11/4/4	back	Sonet Port 4	SONET	0 Mbps	Down	Unknown	Up
11/4/5	back	Sonet Port 5	SONET	0 Mbps	Down	Unknown	Up
11/4/6	back	Sonet Port 6	SONET	0 Mbps	Down	Unknown	Up
11/4/7	back	Sonet Port 7	SONET	0 Mbps	Down	Unknown	Up

Port Count: 16

Disable...

Refresh

Reset...

Server: 192.168.1.229 Mode: On-line Profile: patty Ready

F

C

A

P

S

Configuration

System Modules Ports

SONET Interfaces

SONET Paths

ATM Interfaces

Virtual ATM Interfaces

Virtual Connections

System: 192.168.9.202

938

896a

897

939a

939b

FIG. 4U

895

EvalNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100% [?] [?]

556d

941a

896a

941b

897

Server: 192.168.1.229 Mode: On-line Profile: party

SONET Interface Count: 216

Paths... Refresh

Ready

Configuration

System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections

940

System: 192.168.9.202

SONET Lines

Shelf / Slot...	Location	Medium Ty...	Circuit ID	Line Type	Line Coding	Loopback...	Laser	Path Count
11/4/11	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/4/12	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/4/13	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/4/14	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/4/15	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/4/16	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/5/1	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/5/2	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/5/3	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/5/4	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/6/1	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/6/2	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/6/3	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0
11/6/4	back	SONET		Single Mode NRZ	Terminal	Disabled	0	0

Equipment

- Profiles
- Management of Management
- Network
- Devices
- 192.168.9.202
- 192.168.9.203
- 192.168.9.201

FIG. 4V

-942C

FIG. 4W

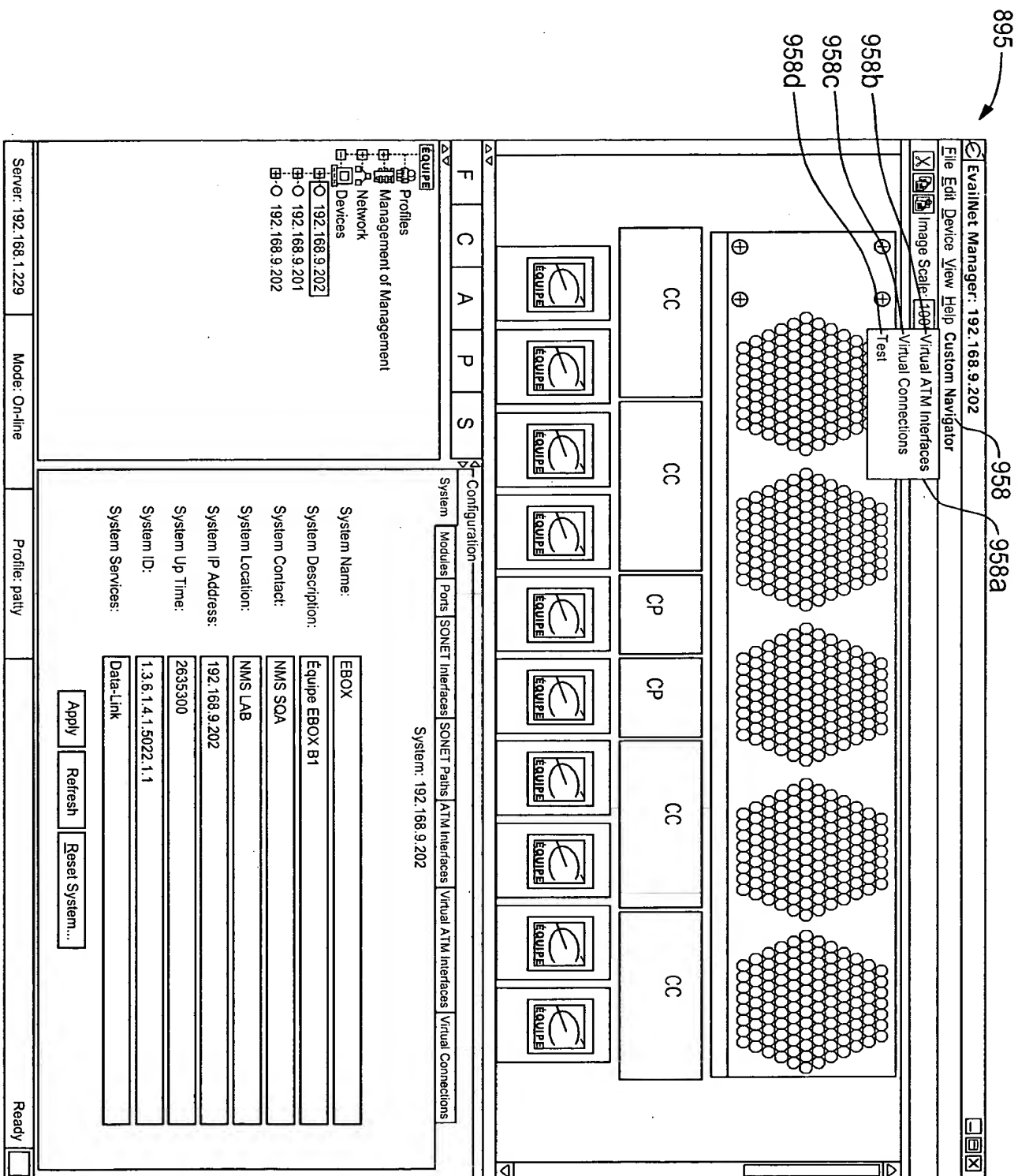


FIG. 4X

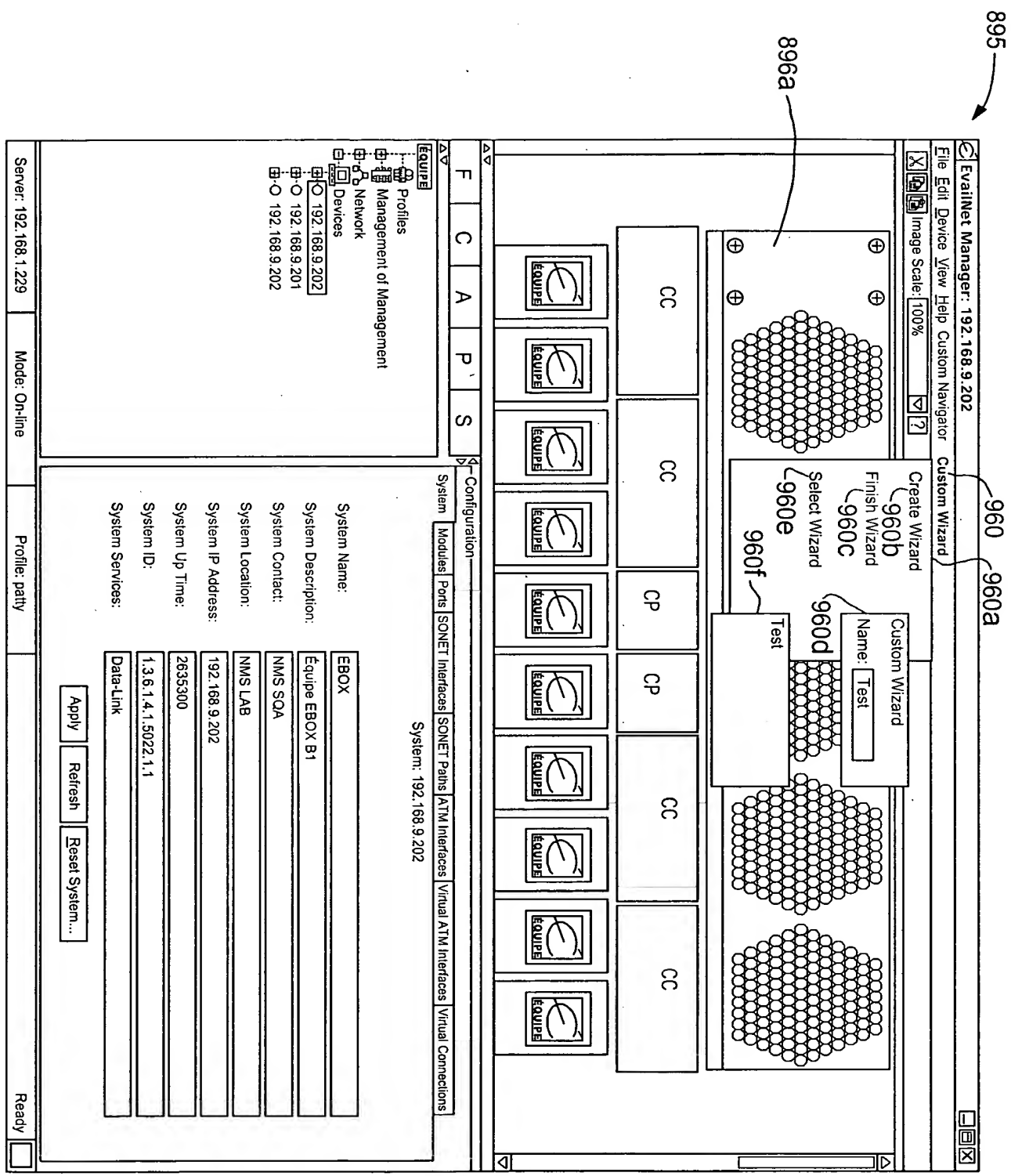


FIG. 4Y

EvailNet Manager: SONET Path Configuration 11/5/1

X

System: 192.168.9.202

SONET Line

Slot Port Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

▼

STS-12c

▼

paths

Next

Cancel

FIG. 4Z

895

943

EvallNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

Port Properties
Port Reset
Configure SOnET Paths...
Show ATM Interfaces
Show Virtual Interfaces
Add Virtual Connection...
Show Virtual Connections
Show ATM Statistics
Show SOnET Statistics

556e

939a

896a

897

Server: 192.168.1.229 Mode: On-line Profile: patly

Ready

Configuration

System Modules Ports SOnET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

938 System: 192.168.9.202

Port Details

Shelf / Slot / Port	Location	Name	Type	Speed	Admin. Status	Oper. Status	Link Status
11/4/1	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/2	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/3	back	Sonet Port 3	SONET	0 Mbps	Down	Unknown	Up
11/4/4	back	Sonet Port 4	SONET	0 Mbps	Down	Unknown	Up
11/4/5	back	Sonet Port 5	SONET	0 Mbps	Down	Unknown	Up
11/4/6	back	Sonet Port 6	SONET	0 Mbps	Down	Unknown	Up
11/4/7	back	Sonet Port 7	SONET	0 Mbps	Down	Unknown	Up
11/4/8	back	Sonet Port 8	SONET	0 Mbps	Down	Unknown	Up
11/4/9	back	Sonet Port 9	SONET	0 Mbps	Down	Unknown	Up
11/4/10	back	Sonet Port 10	SONET	0 Mbps	Down	Unknown	Up
11/4/11	back	Sonet Port 11	SONET	0 Mbps	Down	Unknown	Up
11/4/12	back	Sonet Port 12	SONET	0 Mbps	Down	Unknown	Up
11/4/13	back	Sonet Port 13	SONET	0 Mbps	Down	Unknown	Up
11/4/14	back	Sonet Port 14	SONET	0 Mbps	Down	Unknown	Up

Port Count: 216

Disable... Refresh Reset...

FIG. 5A

EvailNet Manager: SONET Path Configuration - 11/4/1

X

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

▽

STS-3c

▽

paths

OK

Cancel

FIG. 5B

944

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line Slot Port Type

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c) 944b

☐ Configure STS-3C paths

☐ Custom Configuration

Path Table 944g

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/4/1	1	STS-12c	Termin.	ATM		

944p

944r 944q

Graphical Representation

Position Width

944e 944f

FIG. 5C

944 EMailNet Manager: SOnET Path Configuration - 11/4/1 X

System: 192.168.9.202

944a SOnET Line Slot Port Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
☒ **Configure**
☐ Custom Configuration

944g Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-3c	Termin.	ATM		
11/4/1	Path2_11/...	4	STS-3c	Termin.	ATM		
11/4/1	Path3_11/...	7	STS-3c	Termin.	ATM		
11/4/1	Path4_11/...	10	STS-3c	Termin.	ATM		

944p

944r 944q

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3c
10	STS-3c

944e 944f

FIG. 5D

EvailNet Manager: SONET Path Configuration - 11/4/1
X

System: 192.168.9.202

SONET Line

Slot 4
Port 1
Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
☒ Configure
☐ Custom Configuration

1

▽

STS-12c

▽

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-12c	Termin.	ATM		

Modify

OK
Cancel

Graphical Representation

Position

Width

1

STS-12c

FIG. 5E

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

Configure a single concatenated path (STS-12c)

Configure

Custom Configuration

1

STS-12c

paths

Functions

Available SONET Paths

STS-3c

944i

944n

<<Clear

944o

Allocated SONET Paths

STS-3c

STS-3c

STS-3c

STS-3c

944i

944u

944v

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/4/1	Path1_11/...	1	STS-3c	Terminated	ATM		
11/4/1	Path2_11/...	4	STS-3c	Terminated	ATM		
11/4/1	Path3_11/...	7		Terminated	ATM		

944p

Modify

944r

OK

Cancel

944q

Graphical Representation

Position

Width

1

STS-3c

4

STS-3c

944e

944f

FIG. 5F

FIG. 5G

898

FIG. 5H

-897

FIG. 51

895

EvaliNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

F

C

A

P

S

SONET Lines

Shelf / Slot...	Location	Medium Ty...	Circuit ID	Line Coding	Loopback...	Laser	Path Count
11/4/14	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/4/15	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/4/16	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/5/1	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/5/2	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/5/3	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/5/4	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/6/1	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/6/2	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/6/3	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/6/4	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/6/5	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/6/6	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/6/7	back	SONET	Single Mode NRZ	Terminal	Disabled	0	
11/6/8	back	SONET	Single Mode NRZ	Terminal	Disabled	0	

SONET Interface Count: 216

940a

Paths...

Refresh

Equipment

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.203

192.168.9.201

898a

898b

Server: 192.168.1.229

Mode: On-line

Profile: paty

Ready

941a

556d

896a

949a

898

897

FIG. 5J

FIG. 5K

944

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot Port Type

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-48c	Termin.	ATM		

Modify

OK Cancel

Graphical Representation

Position Width

1 STS-48c

FIG. 5L

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

Configure a single concatenated path (STS-48c)

4

▽

STS-12c

▽

paths

Custom Configuration

944S

944t

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-12c	Termin.	ATM		
11/5/2	Path2_11/...	13	STS-12c	Termin.	ATM		
11/5/2	Path3_11/...	25	STS-12c	Termin.	ATM		
11/5/2	Path4_11/...	37	STS-12c	Termin.	ATM		

Modify

OKCancel

Graphical Representation

Position	Width
1	STS-12c
13	STS-12c
25	STS-12c
37	STS-12c

FIG. 5M

EvalNet Manager: SONET Path Configuration - 11/5/2
✕

System: 192.168.9.202

SONET Line

Slot
Port
Type

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)
☐ Custom Configuration

1

1

4

16

▽

STS-48c

944s

944t

▽

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-48c	Termin.	ATM		

Modify

Position

Width

1

STS-48c

944e

944f

OK

Cancel

944q

944

FIG. 5N

EvailNet Manager: SONET Path Configuration - 11/5/2 X

System: 192.168.9.202

SONET Line Slot Port Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)
☒ **Configure**
☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wt.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-3c	Termin.	ATM		
11/5/2	Path2_11/5/2	4	STS-3c	Termin.	ATM		
11/5/2	Path3_11/5/2	7	STS-3c	Termin.	ATM		
11/5/2	Path4_11/5/2	10	STS-3c	Termin.	ATM		
11/5/2	Path5_11/5/2	13	STS-3c	Termin.	ATM		
11/5/2	Path6_11/5/2	16	STS-3c	Termin.	ATM		
11/5/2	Path7_11/5/2	19	STS-3c	Termin.	ATM		

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3c
10	STS-3c
13	STS-3c
16	STS-3c
19	STS-3c
22	STS-3c
25	STS-3c
28	STS-3c
31	STS-3c
34	STS-3c
37	STS-3c
40	STS-3c
43	STS-3c
45	STS-3c

FIG. 50

EvailNet Manager: SONET Path Configuration - 11/4/1
System: 192.168.9.202

SONET Line Slot Port Type

SONET Path Wizard

Configure a single concatenated path (STS-12c)

Configure Custom Configuration

Functions

Available SONET Paths

STS-3c
STS-12c

Allocated SONET Paths

STS-3c
STS-3c
STS-3c
STS-3c
STS-12c

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/5/2	Path1_11/...	1	STS-3c	Terminated	ATM		
11/5/2	Path2_11/...	4	STS-3c	Terminated	ATM		
11/5/2	Path3_11/...	7		Terminated	ATM		

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3
10	STS-3
22	STS-12c
34	STS-12c

FIG. 5P

FIG. 50

896a

FIG. 5R

896a

FIG. 55

Add V-ATM Interface - 192.168.9.202 ☐

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/4/1

Virtual ATM Interface Parameters

Name

Connection Type

Version

Admin Status

FIG. 5T

895

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

F

C

A

P

S

Equipment

Profiles

Management of Management

Network

Devices

192.168.9.202

Configuration

System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.202

192.168.9.202

Shelf 11

Slot 1

Slot 2

Slot 3

Slot 4

Port 1

ATM-Path1_11/4/

ATM-Path2_11/4/

Port 2

Port 3

Port 4

Port 5

Port 6

Port 7

Port 8

Port 9

947a

947b

Name

Type

Version

Admin. Status

PVC Count

Sign

test1

Direct Link

UNI Network 3.1

Up

0

End

<<back

Add...

Delete...

Refresh

Virtual Connections>>

Server: 192.168.1.229 Mode: On-line Profile: patly Ready

947c

FIG. 5U

-947C

FIG. 5V

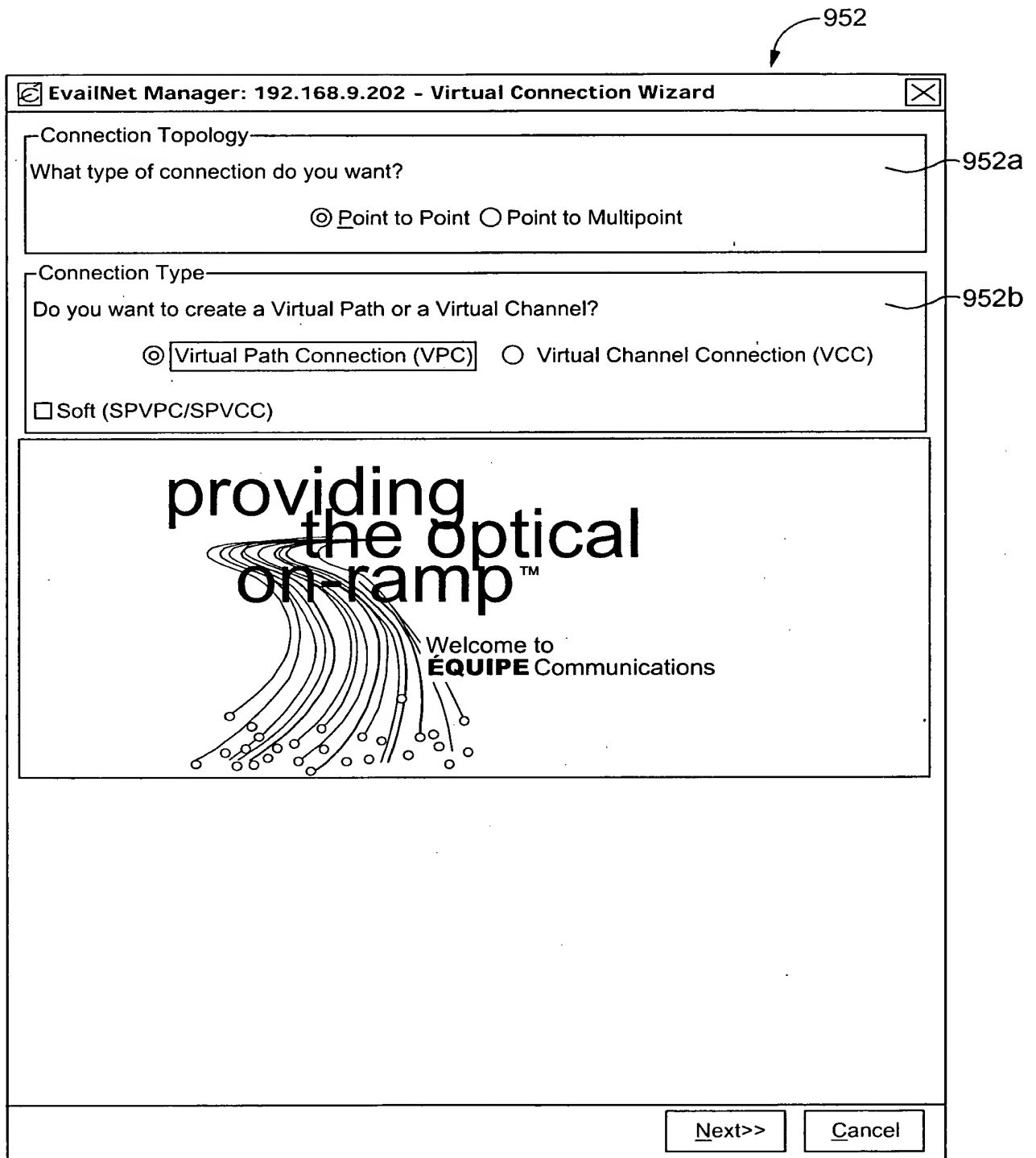


FIG. 5W

953

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

953a End Point 1

Slot 4
Port 1
 o ATM-Path1_11/4/1
 o ATM-Path2_11/4/1
 o test1
 o test2
Port 2
Port 3
Port 4

953b

953c End Point 1

Slot 3
Slot 4
Slot 5
Port 1
Port 2
 o ATM-Path1_11/5/2
 o test3
 o ATM-Path2_11/5/2
 o ATM-Path5_11/5/2

953d

953e Connection Parameters

Connection Name: test

Admin Status: Up 953h

Customer Name: Walmart Customer List

953f End Point 1 Parameters:

VPI: 953i ☒ Use Any VPI Value 953k

VCI: 953m ☐ Use Any VCI Value 953o

Transmit Traffic Descriptor: VBR-high

Receive Traffic Descriptor: VBR-high 953q

953s ☐ Use the same Traffic Descriptor for both Transmit and Receive

953g End Point 2 Parameters:

VPI: 953j ☒ Use Any VPI Value 953l

VCI: 953n ☐ Use Any VCI Value 953p

Transmit Traffic Descriptor: VBR-high

Receive Traffic Descriptor: VBR-high 953r

953t ☐ Use the same Traffic Descriptor for both Transmit and Receive 953u 953w 953v

<<Back Finish Cancel

FIG. 5X

956

NEW TRAFFIC
DESCRIPTOR

NAME:

QoS CLASS:

TYPE:

OK

CANCEL

FIG. 5Y

948a

FIG. 52

895

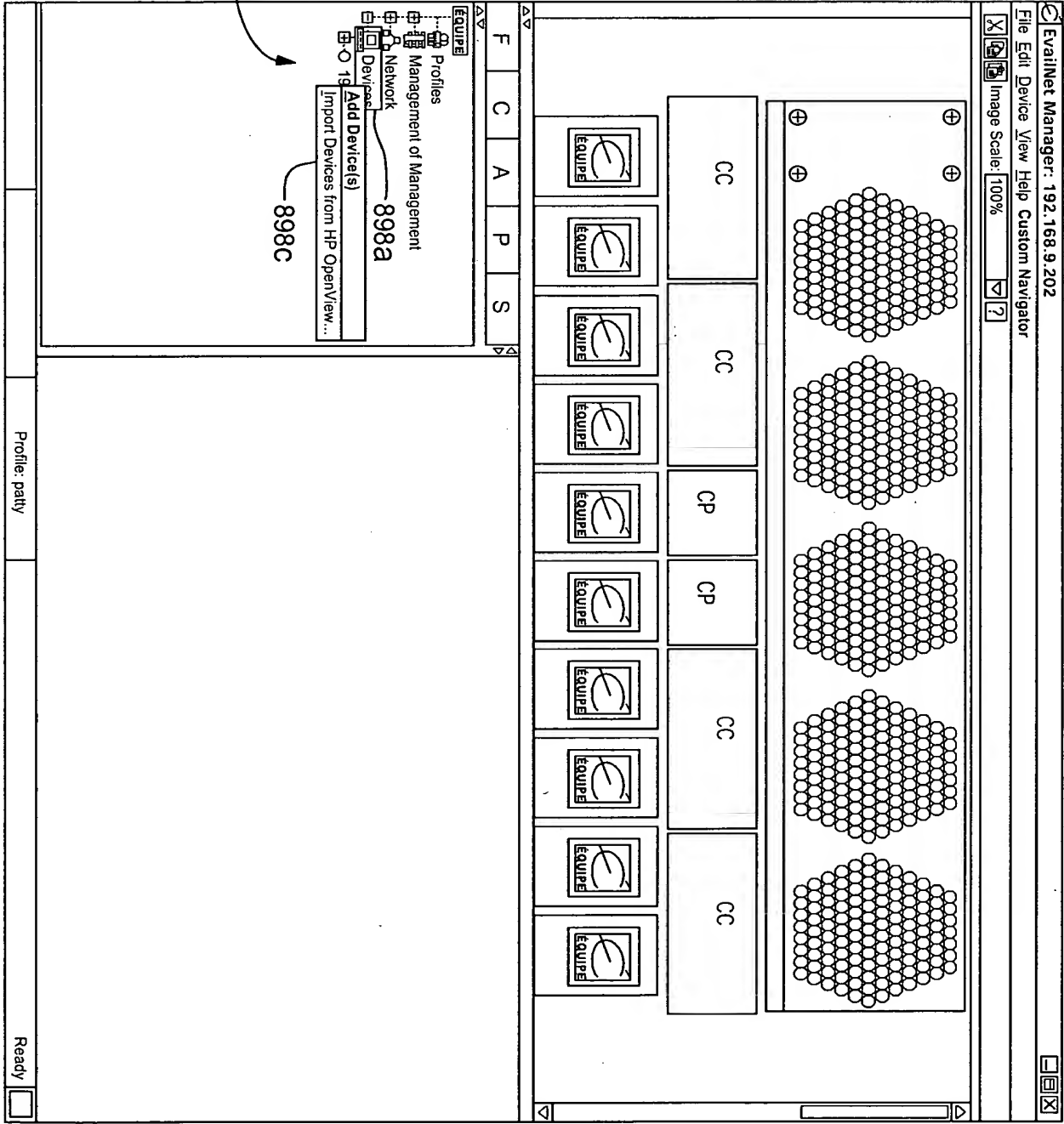


FIG. 6A

The dialog box is titled "AddDeleteDeviceDlg". It contains a text input field labeled "Enter device to add" with the value "192.168.9.201". Below this is a checkbox labeled "Manage device in on-line mode". To the right of the checkbox is an "Add" button. Below these elements is a section titled "Device List" containing a list box labeled "On-Line Device". The list box is currently empty. At the bottom of the dialog are three buttons: "OK", "Cancel", and "Delete".

898e

192.168.9.201

898k

898l

898f

898d

898g

OK Cancel Delete

FIG. 6B

The dialog box is titled "AddDeleteDeviceDlg". It contains a text input field labeled "Enter device to add" which is currently empty. Below this is a checkbox labeled "Manage device in on-line mode". To the right of the checkbox is an "Add" button. Below these elements is a section titled "Device List" containing a list box labeled "On-Line Device". The list box now contains one entry: a checkbox followed by the text "192.168.9.201". Below this entry is the label "898m". At the bottom of the dialog are three buttons: "OK", "Cancel", and "Delete".

898d

898g

898m

OK Cancel Delete

FIG. 6C

895

EvailNet Manager: 192.168.9.201

File Edit Device View Help

Image Scale: 100%

providing the optical onramp™

Welcome to ÉQUIPE Communications

F C A P S

Configuration

System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.201

ÉQUIPE

Profiles Management of Management

Network

Devices

192.168.9.202

192.168.9.201

898n

898b

8980

Add Chassis...

Delete Device(s)

Manage On-Line

Remove Chassis...

System Name:

System Description:

System Contact:

System Location:

System IP Address:

System Up Time:

System ID:

System Services:

Apply

Refresh

Reset System...

Server: 192.168.1.229

Mode: Off-line

Profile: paty

Ready

FIG. 6D



895

EvalNet Manager: 192.168.9.201

File Edit Device View Help

Image Scale: 100%

System: 192.168.9.201

Configuration

System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

System Name:

System Description:

System Contact:

System Location:

System IP Address:

System Up Time:

System ID:

System Services:

Apply Refresh Reset System...

Server: 192.168.1.229 Mode: Off-line Profile: paly Ready

Equipment

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.201

CC CC CP CP CC CC

896C 896E 896a 896b

FIG. 6F



FIG. 6G

895

EvalNet Manager: 192.168.9.201

File Edit Device View Help

Image Scale: 100%

?

896f

Empty Universal Port Slot

Shelf 11/Slot 1

F

C

A

P

S

Configuration

System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.201

Equip

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.201

System Name:

System Description:

System Contact:

System Location:

System IP Address:

System Up Time:

System ID:

System Services:

Apply

Refresh

Reset System...

Server: 192.168.1.229

Mode: Off-line

Profile: party

Ready

FIG. 6H



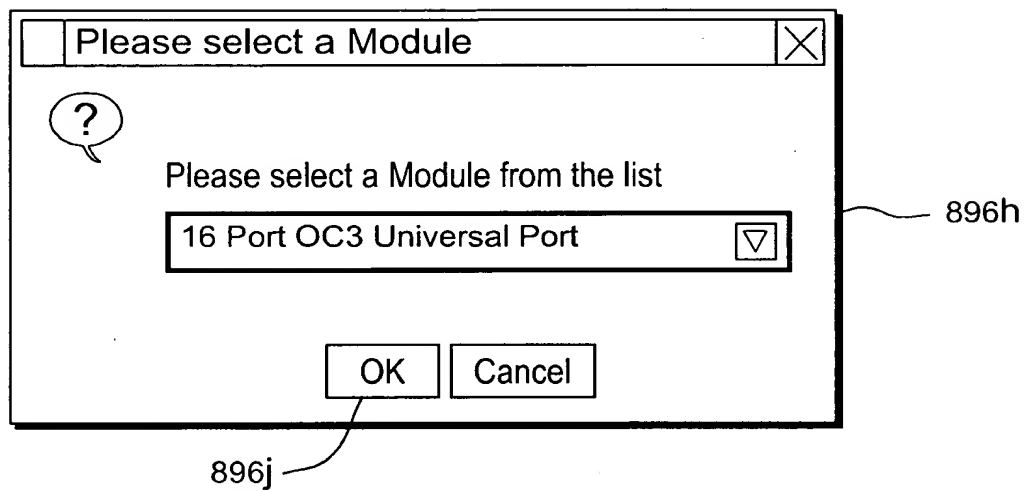


FIG. 6J

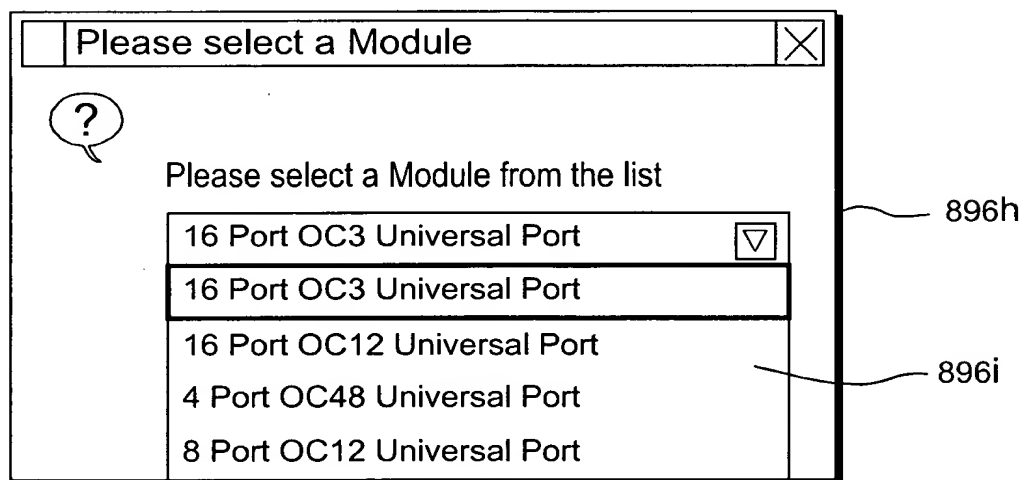


FIG. 6K

FIG. 6L

FIG. 6M

FIG. 6M

FIG. 6N

FIG. 60

895

EvaliNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

System: 192.168.9.202

Configuration

System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.202

System Name: EBOX

System Description: Equipe EBOX B1

System Contact: NMS SCA

System Location: NMS LAB

System IP Address: 192.168.9.202

System Up Time: 7105971

System ID: 1.3.6.1.4.1.5022.1.1

System Services: Data-Link

Apply Refresh Reset System...

Server: 192.168.1.229 Mode: On-line Profile: paty Ready

Equipment

Profiles Management of Management

Network

Devices

192.168.9.202

192.168.9.202

Delete Device(s)...

Reset Device...

Manage On-Line

Telnet to Device...

Ping Device...

8980

CC CC CP CP CC CC

Equipment

FIG. 6P



FIG. 7A

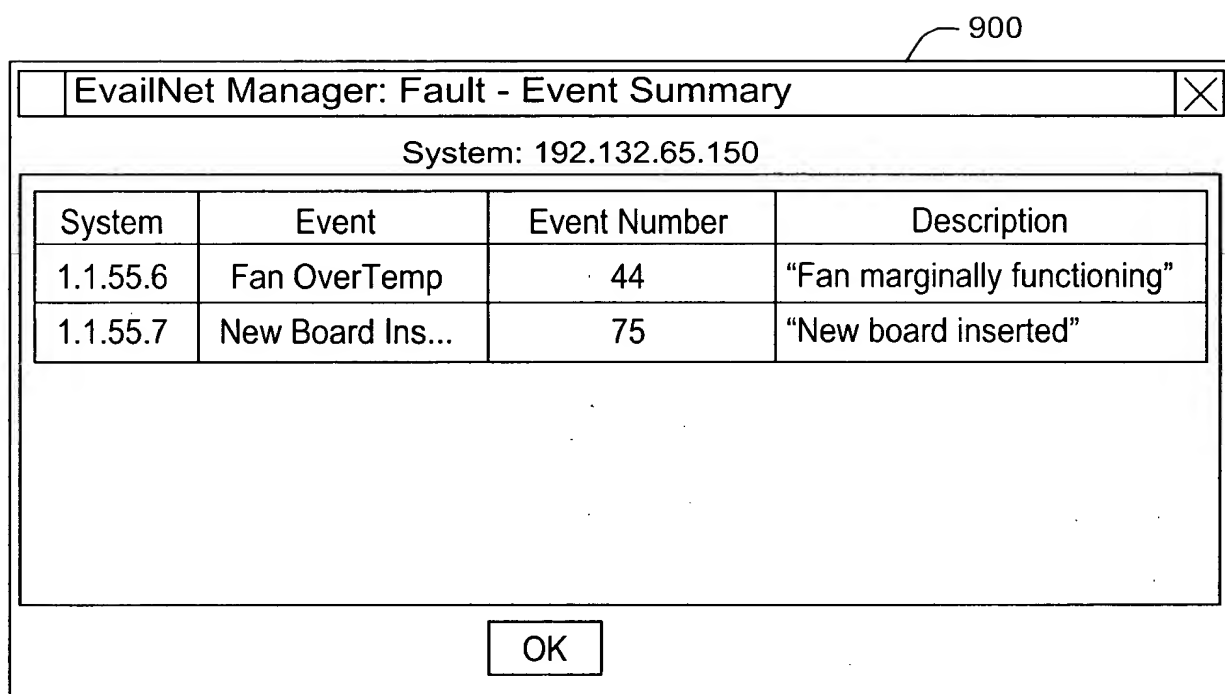


FIG. 7B

EvalNet Manager: 192.168.9.202				
File Edit Device View Help				
Image Scale: 50%				
<div> <div> <div>899a</div> <div>899b</div> <div>899c</div> <div>899d</div> <div>899e</div> </div> <div> <div>F</div> <div>C</div> <div>A</div> <div>P</div> <div>S</div> </div> </div>				
<div> <div> <div>SHMP Configuration Changes</div> <div>System: 192.168.9.202</div> <div>SHMP Community Strings</div> <div>READ Community:</div> <div>public</div> <div>READWRITE Community:</div> <div>public</div> </div> <div> <div>Command Line Interpreter (CLI)</div> <div>Administrator Password:</div> <div>root</div> </div> </div>				
<div> <div> <div>Book Marks</div> <div>Configure PVC</div> <div>Equip</div> <div>Profiles</div> <div>Management of Management</div> </div> <div> <div>Server: 192.168.9.202</div> <div>Mode: On-line</div> <div>Profile:</div> </div> <div> <div>Apply</div> <div>Ready</div> </div> </div>				

FIG. 7C

895

EvalNet Manager: 192.168.9.201

File Edit Device View Help

Image Scale: 50%

895

System: 192.168.9.201

934 936 938 940 942 946 947 948

System Name: 192.168.9.201

System Description: Équipe EBOX B1

System Contact: MMS SQA

System Location: MMS LAB

System IP Address: 192.168.9.201

System Up Time: 60985554

System ID: 1.3.6.1.4.1.5022.1.1

System Services: Data-Link

Apply Refresh Reset System...

Ready

897

898

898p 898q 898r 898s 898t

192.168.9.202

898

FIG. 7D

897

FIG. 7E

895

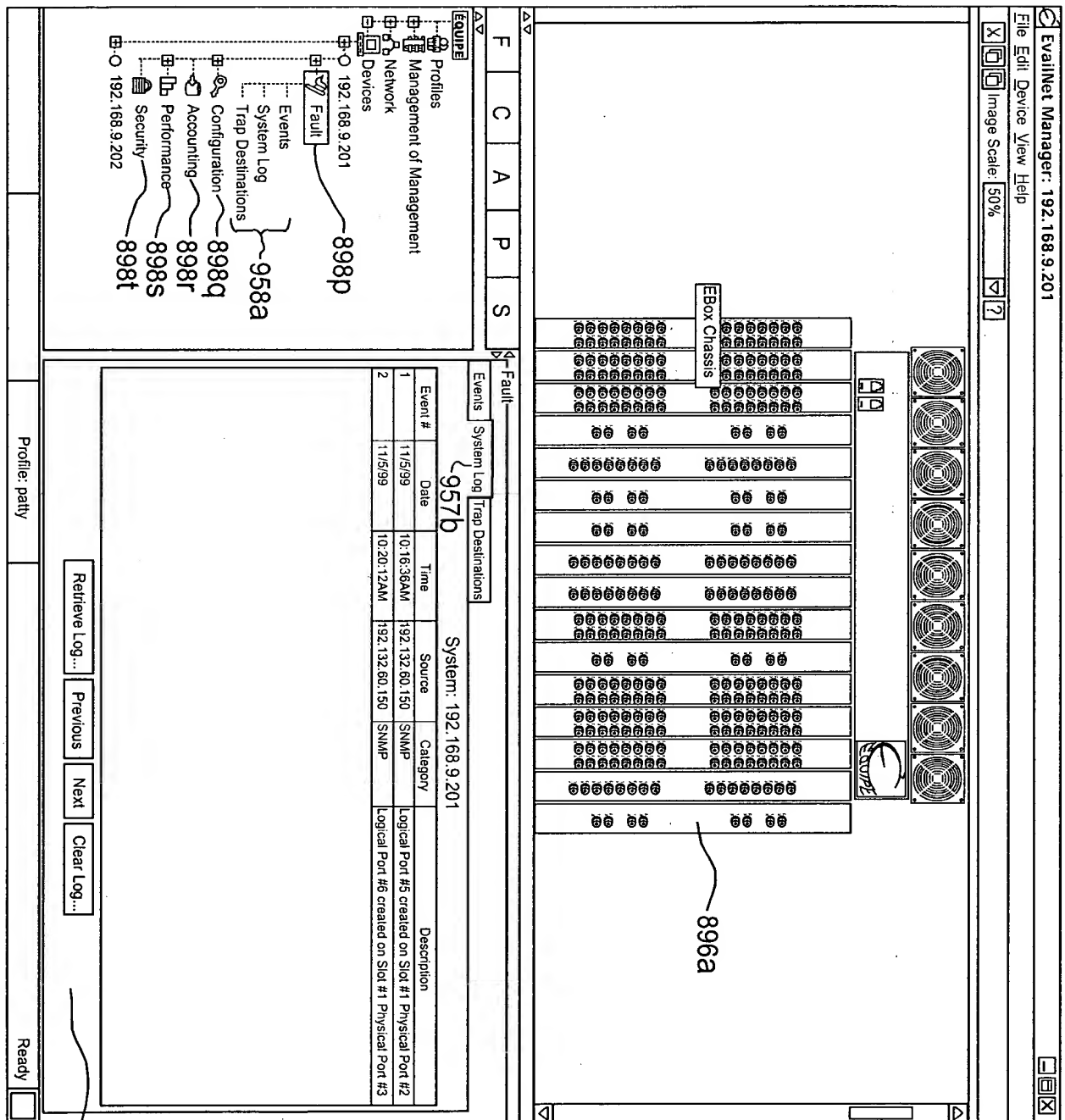


FIG. 7F

897



FIG. 7G

897

FIG. 7H

895

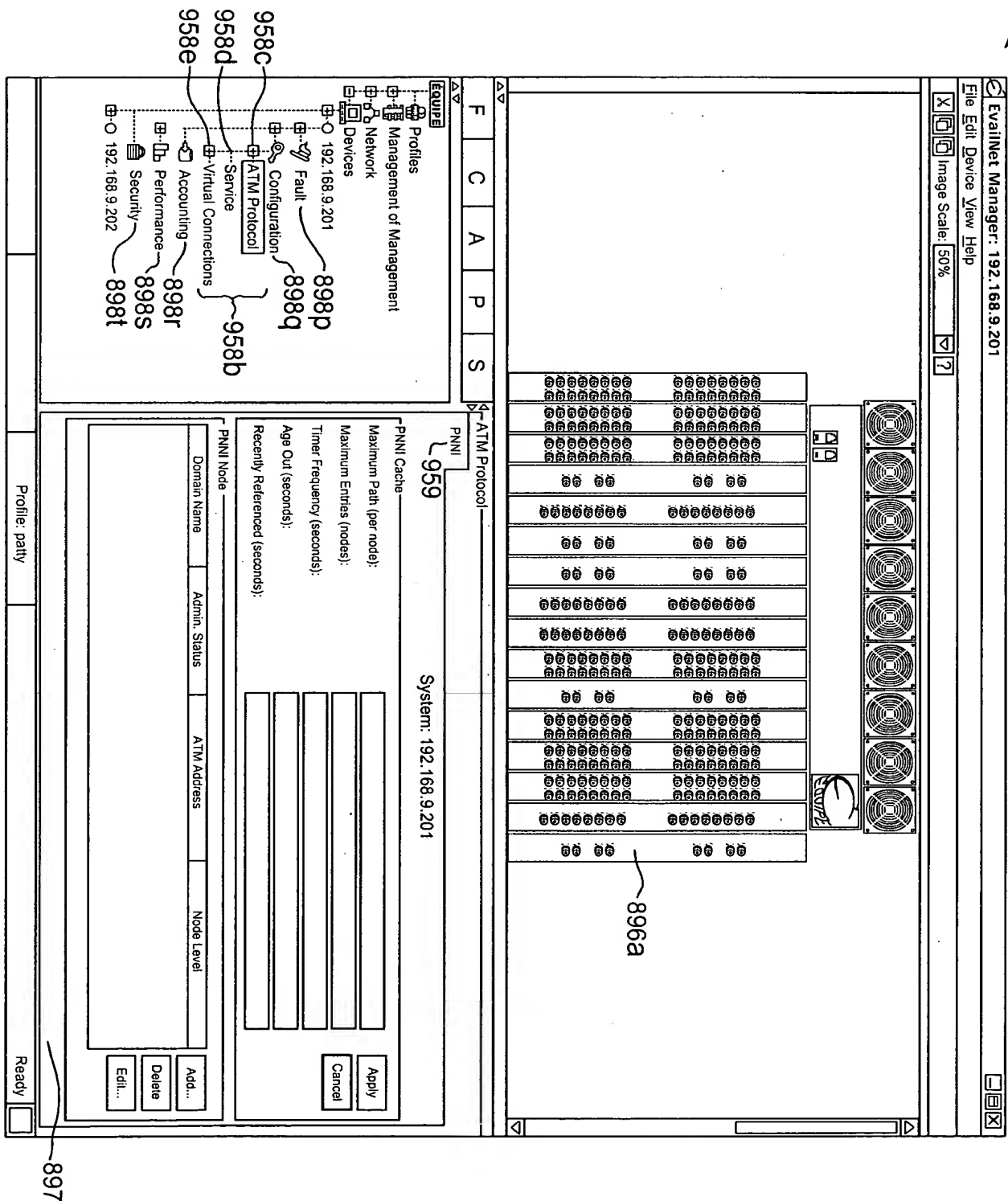


FIG. 71

895

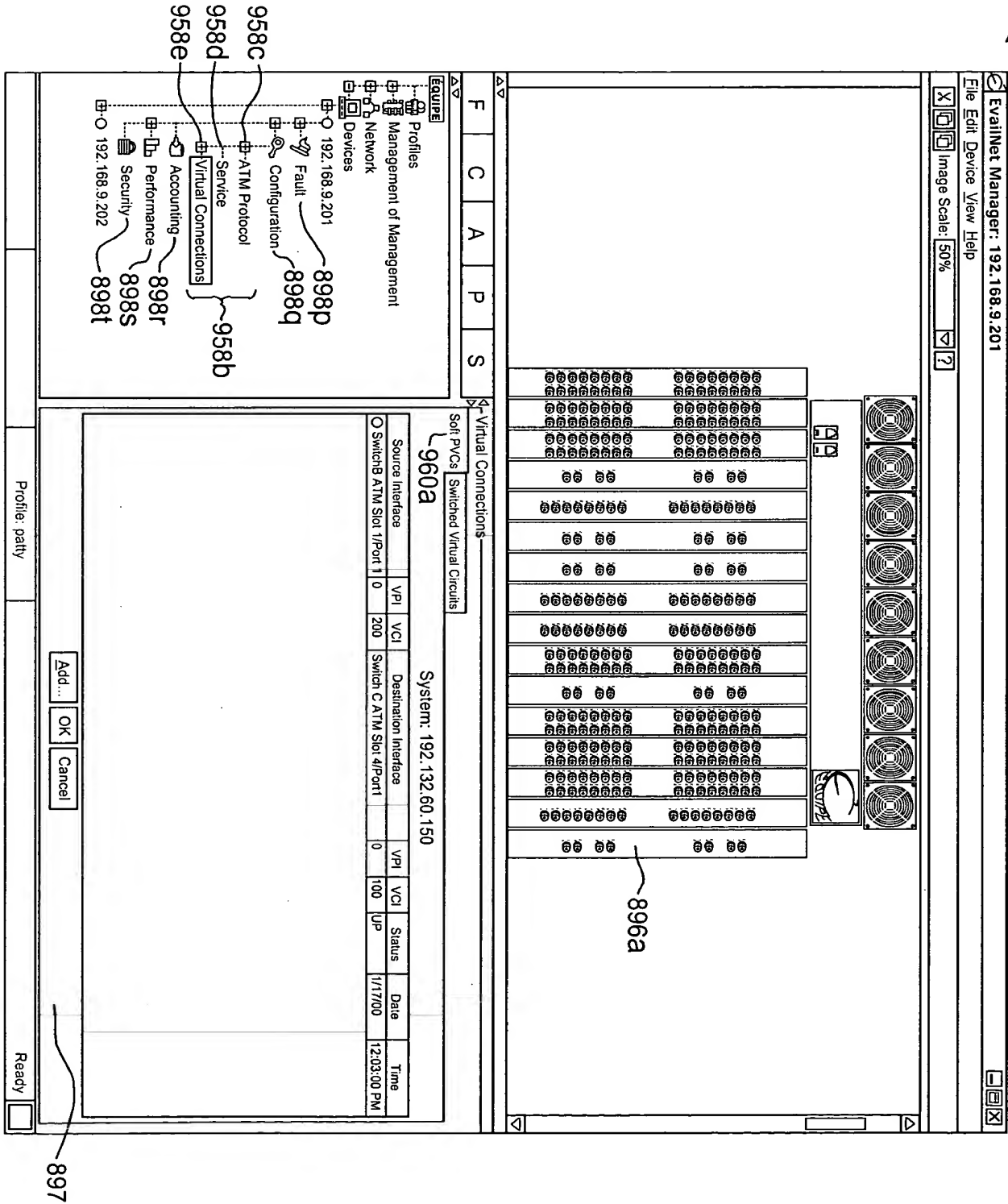
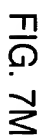


FIG. 7J



897

FIG. 7L



895

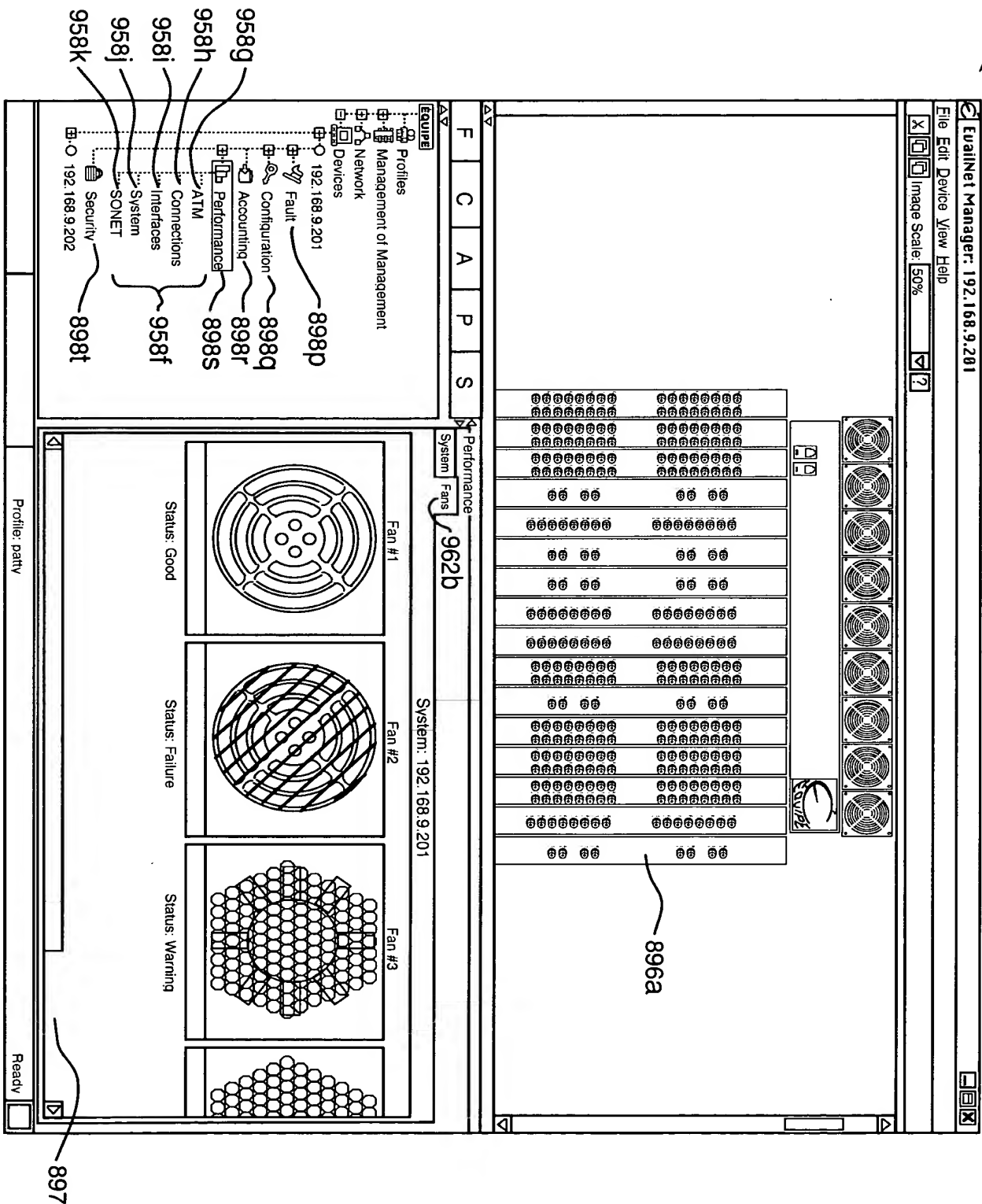


FIG. 7N

895

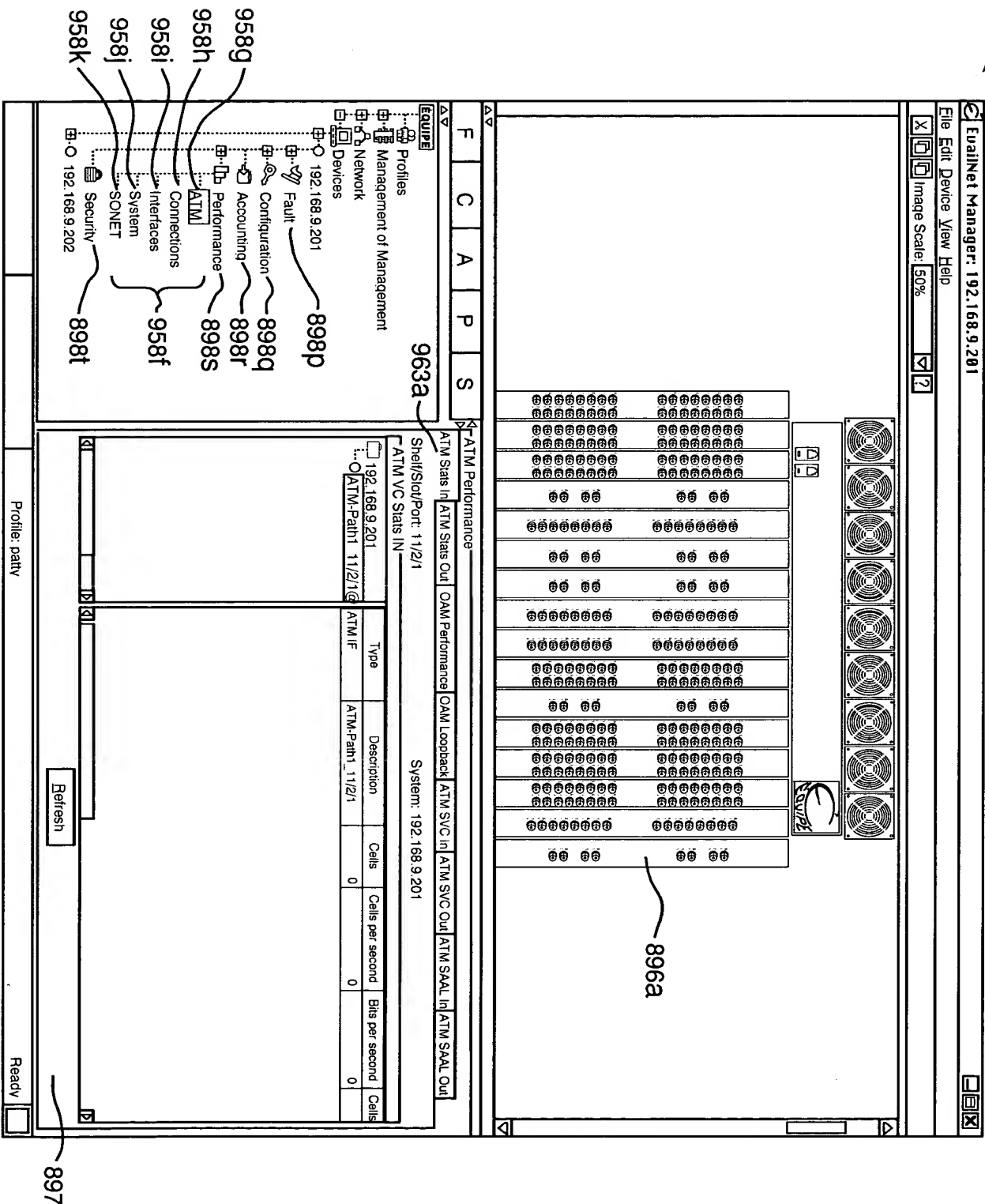


FIG. 70

895

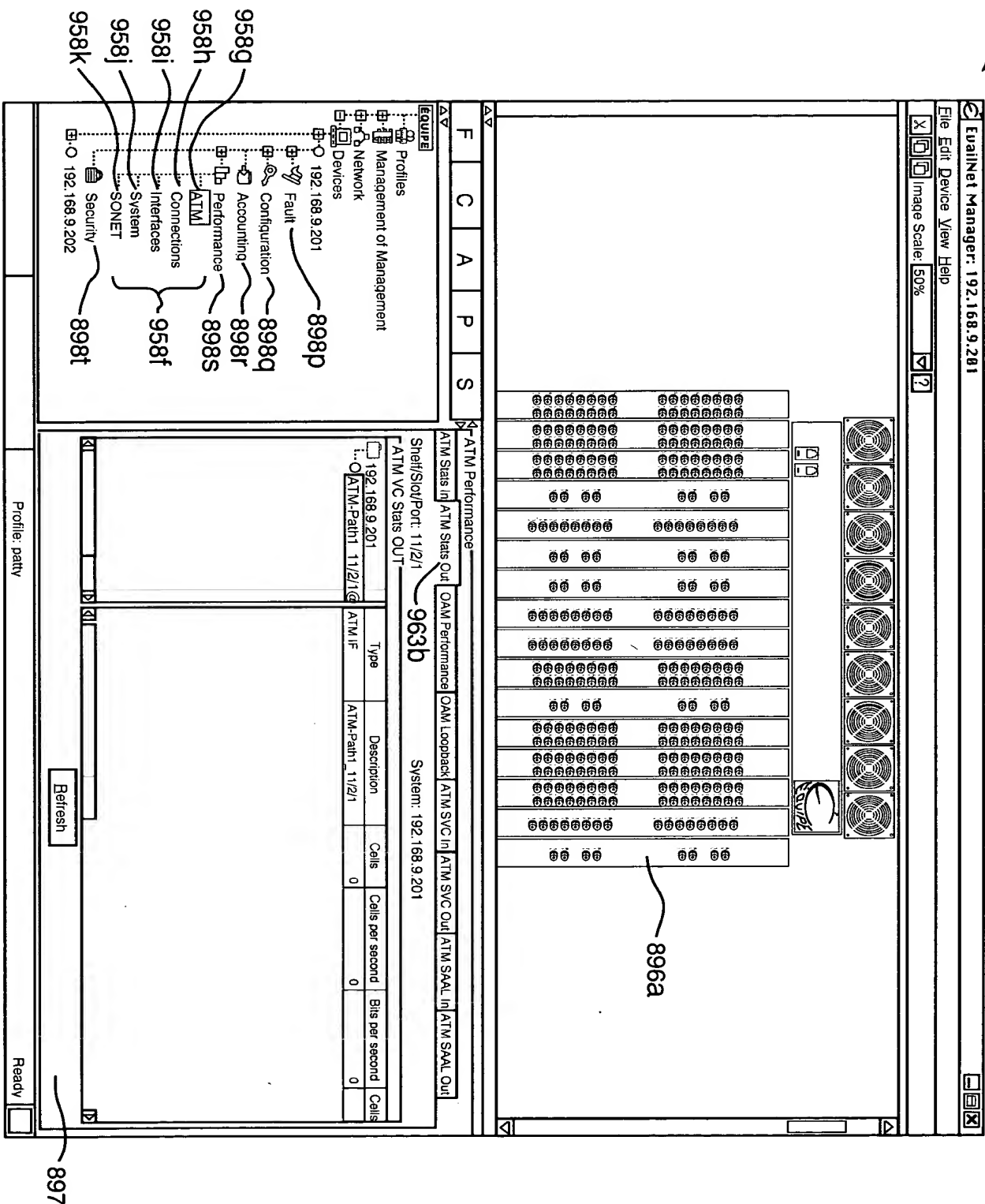


FIG. 7P

895

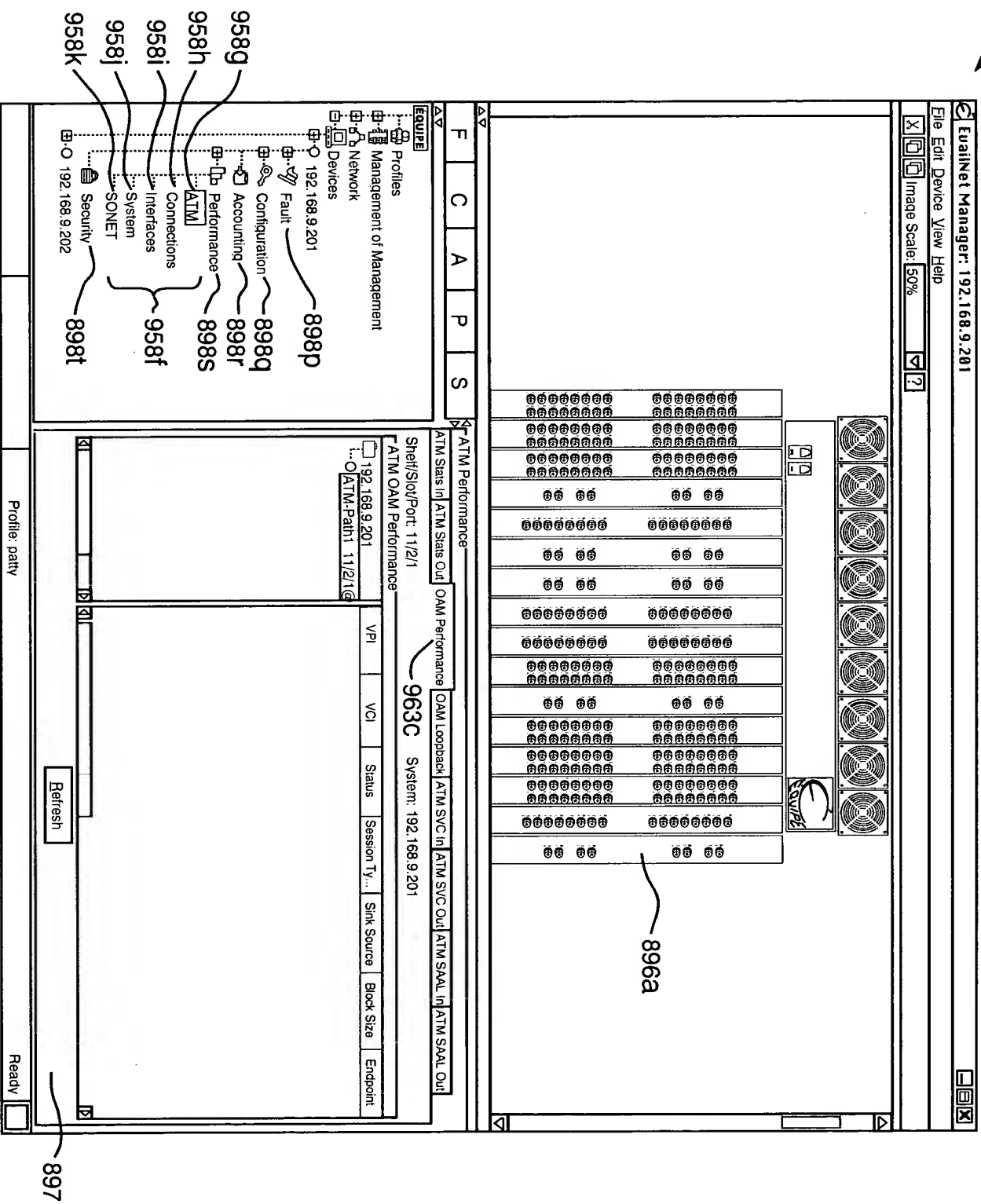


FIG. 7Q

895

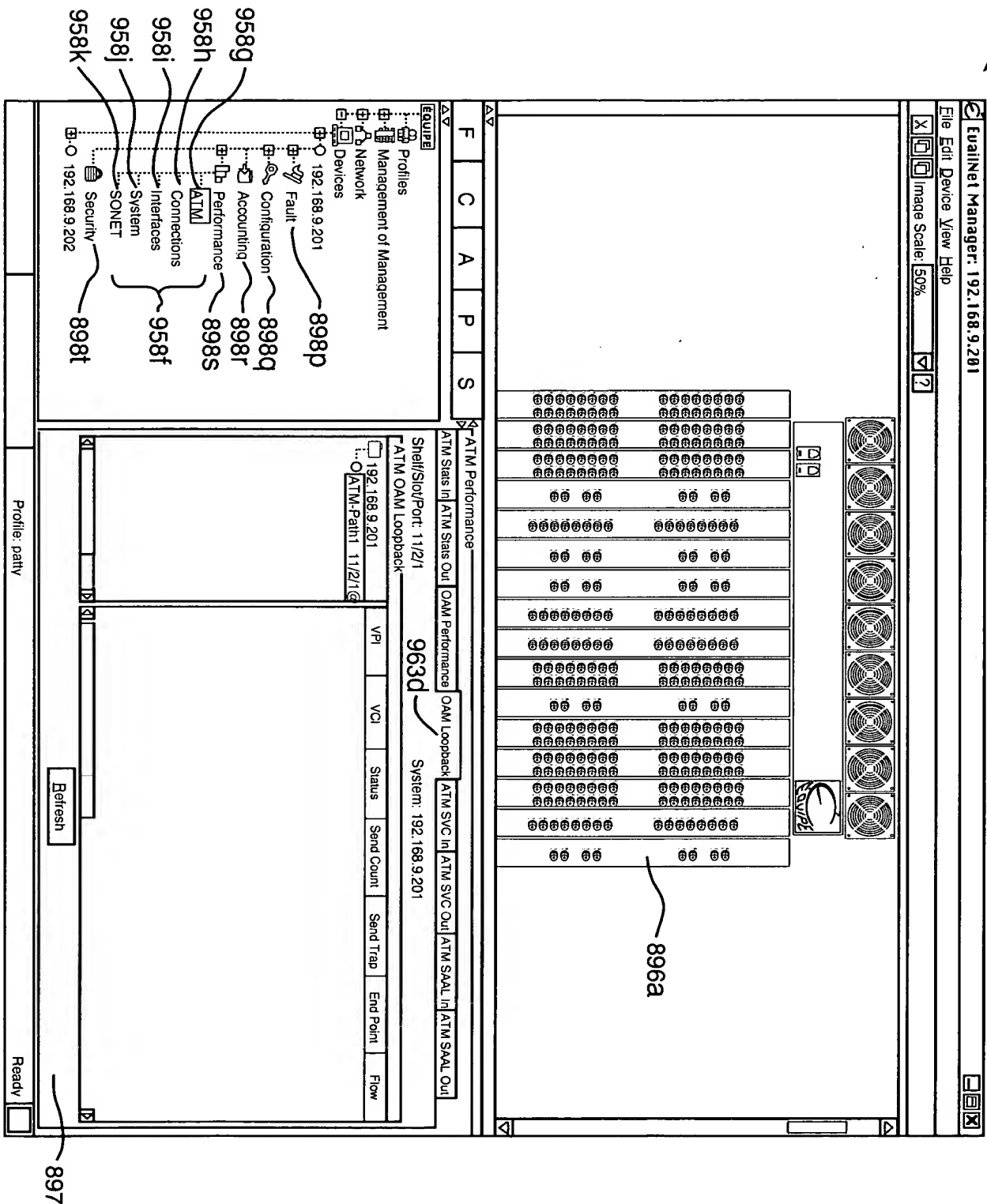


FIG. 7R

895

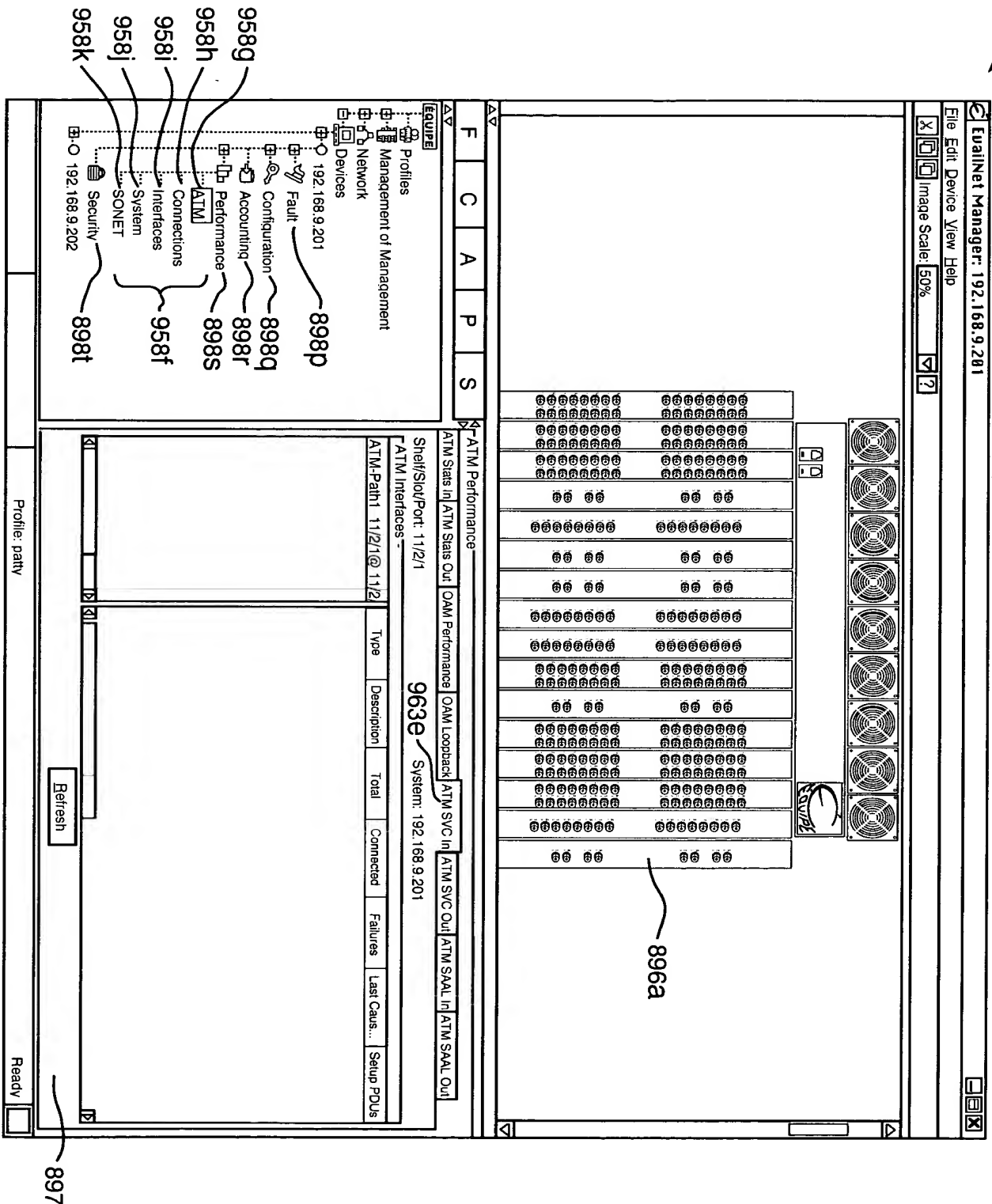


FIG. 7S

895

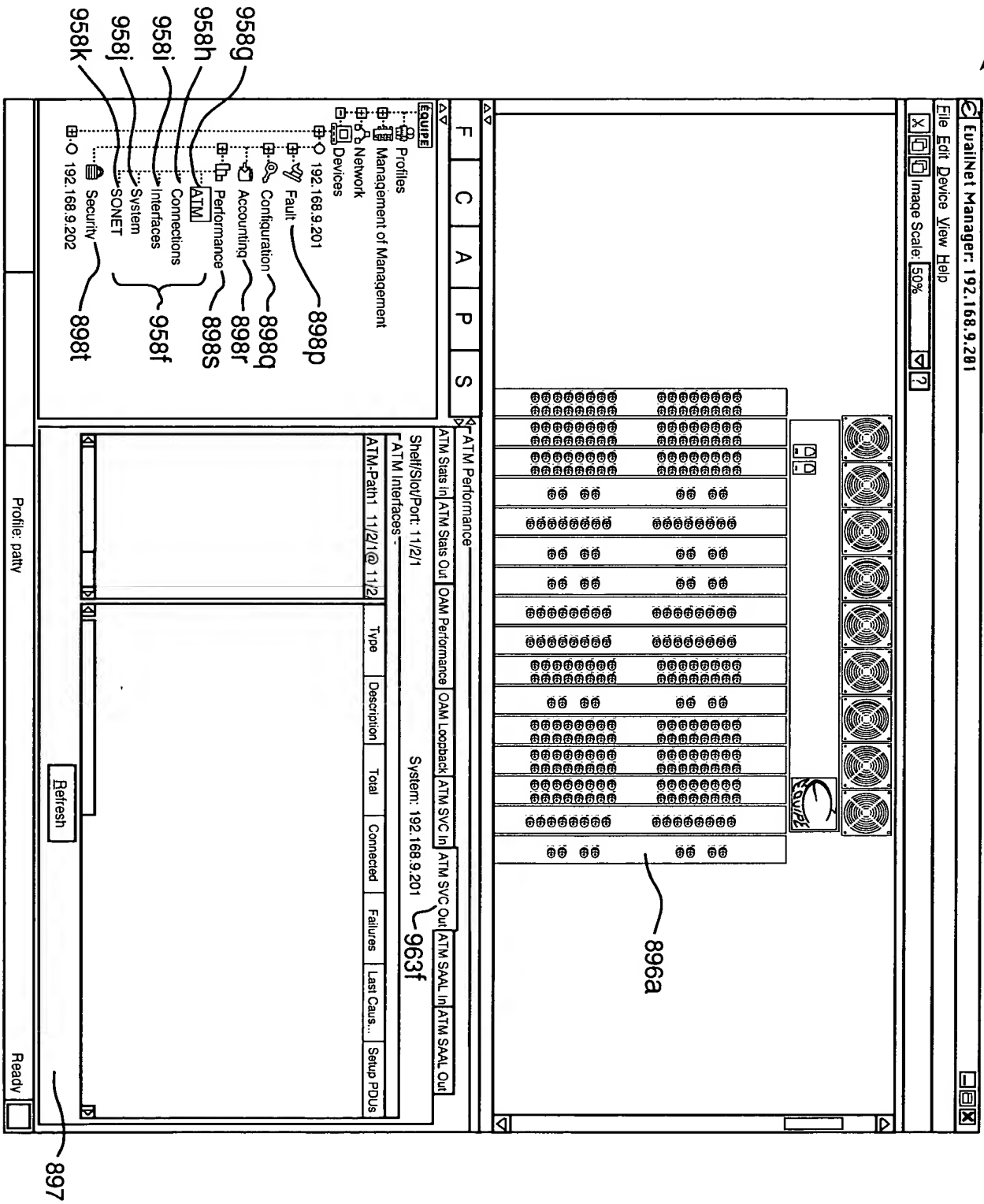


FIG. 7T

895

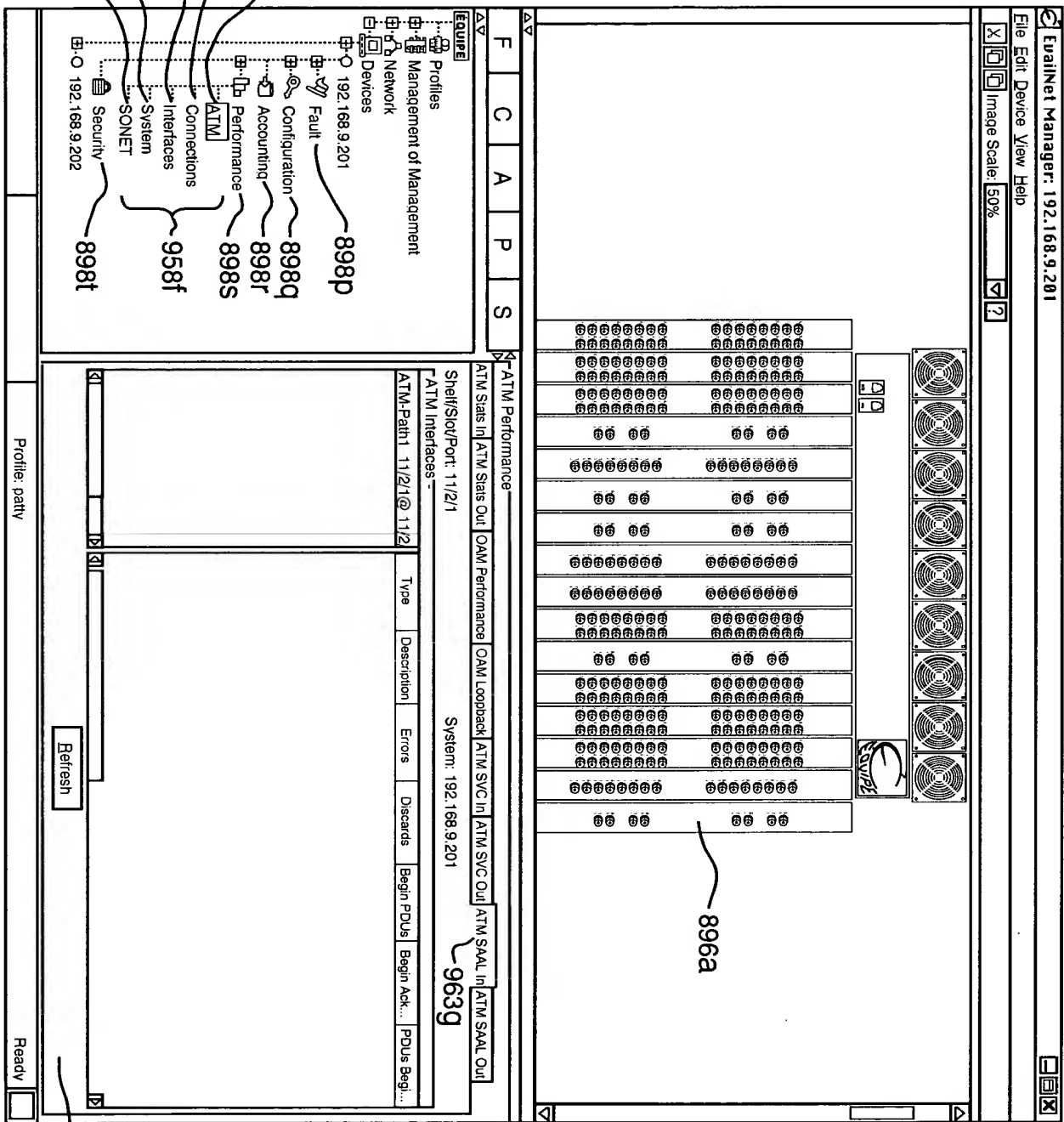


FIG. 7U

895

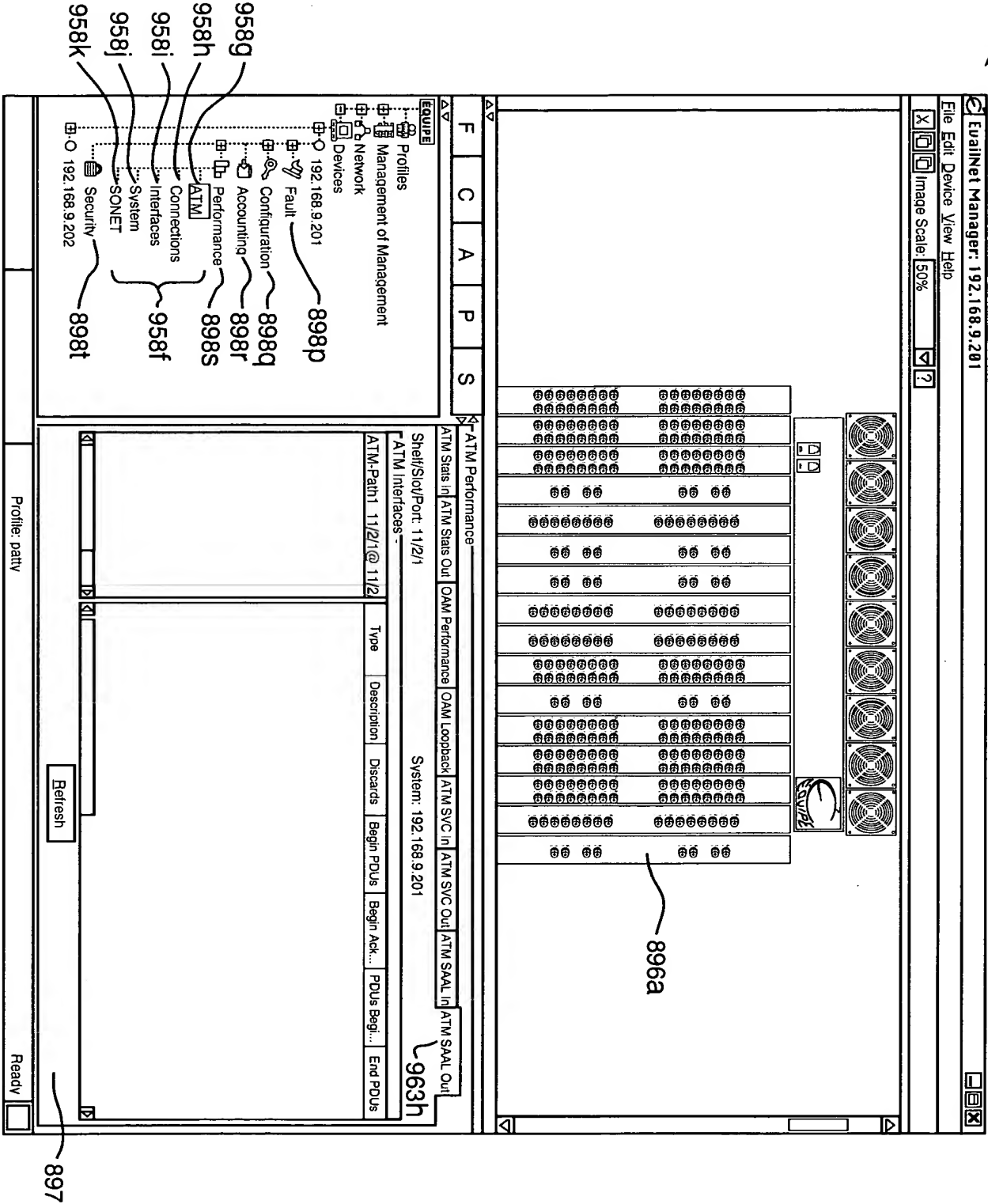
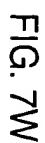


FIG. 7V



895

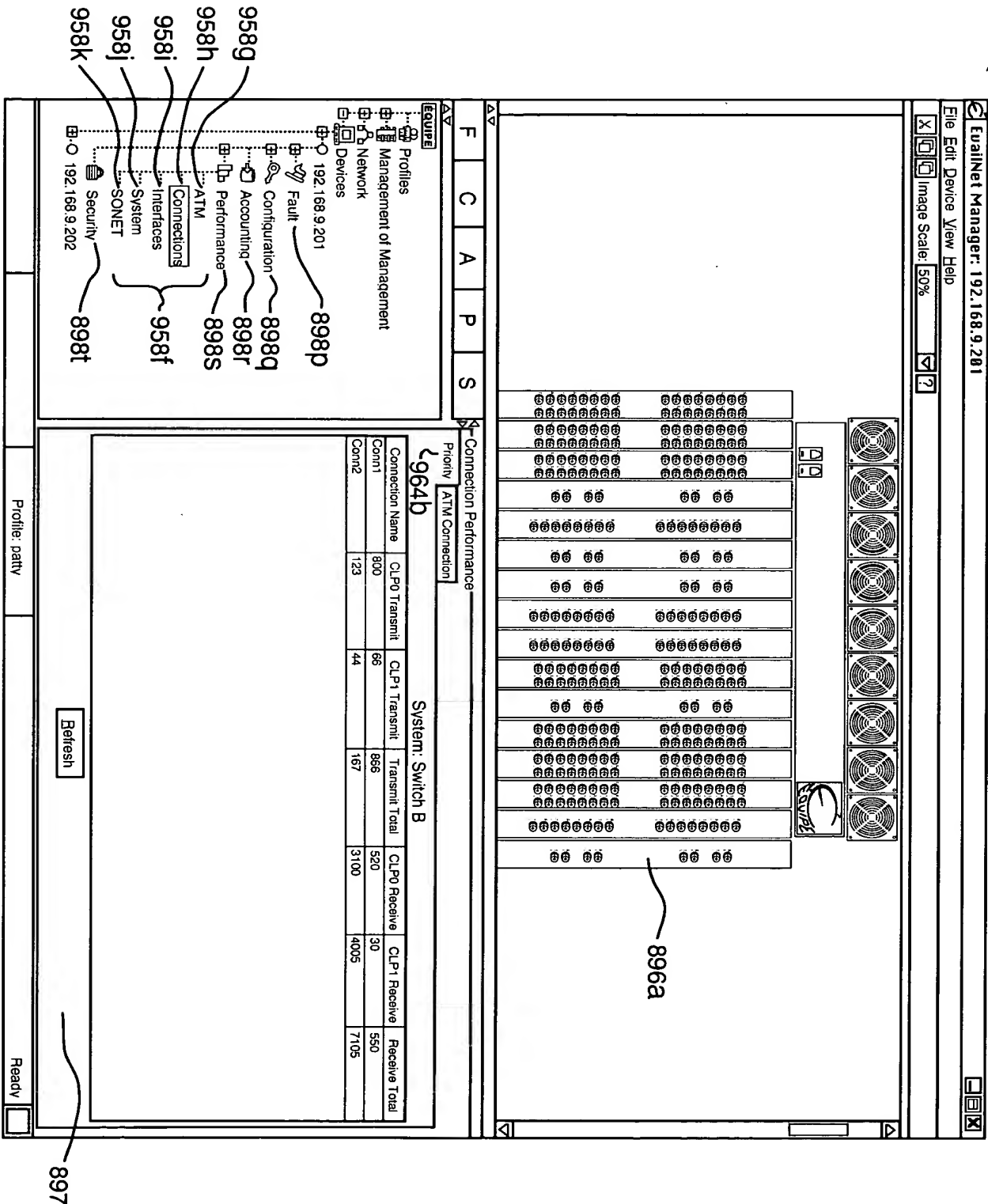


FIG. 7X

895

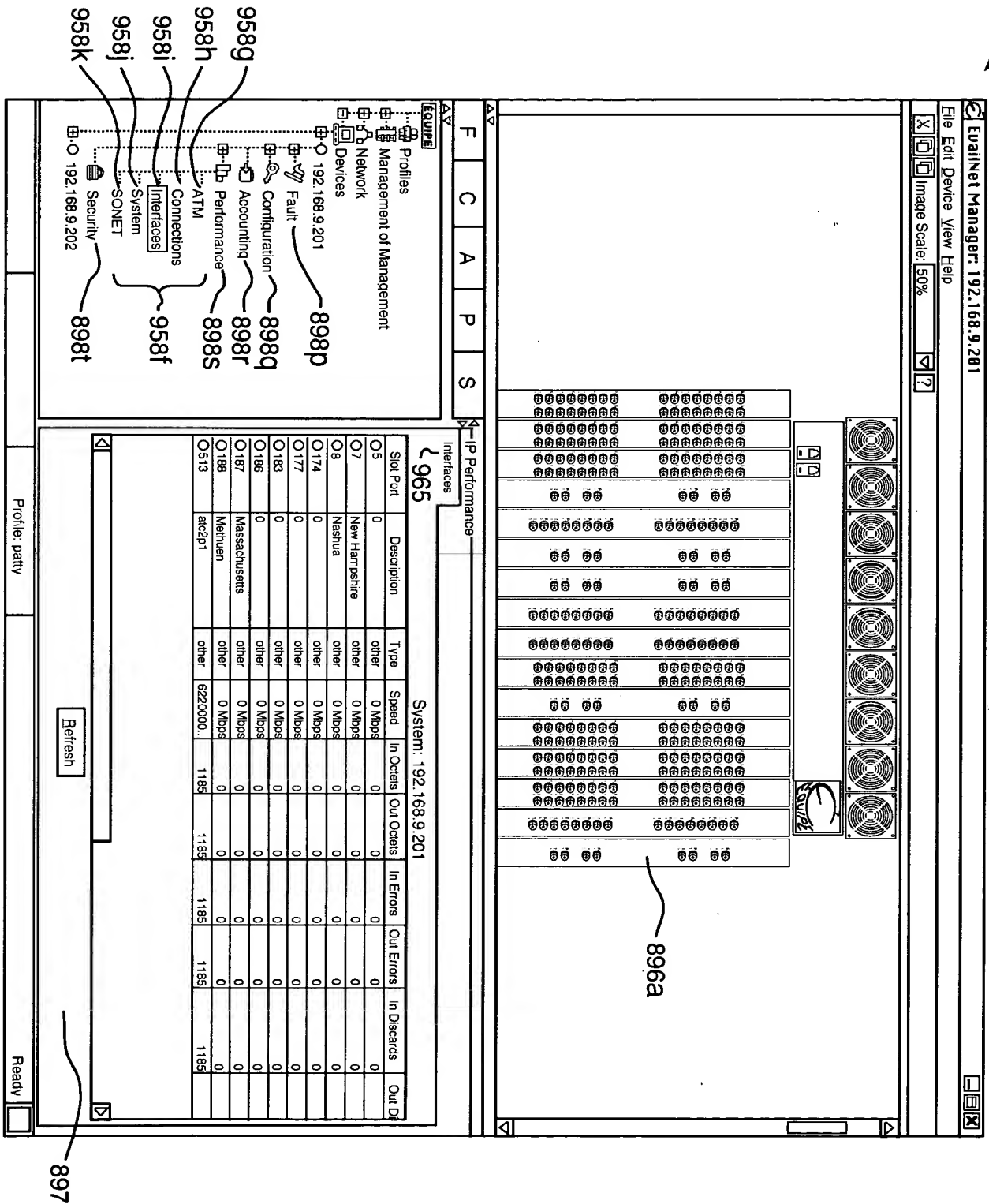


FIG. 7Y

895

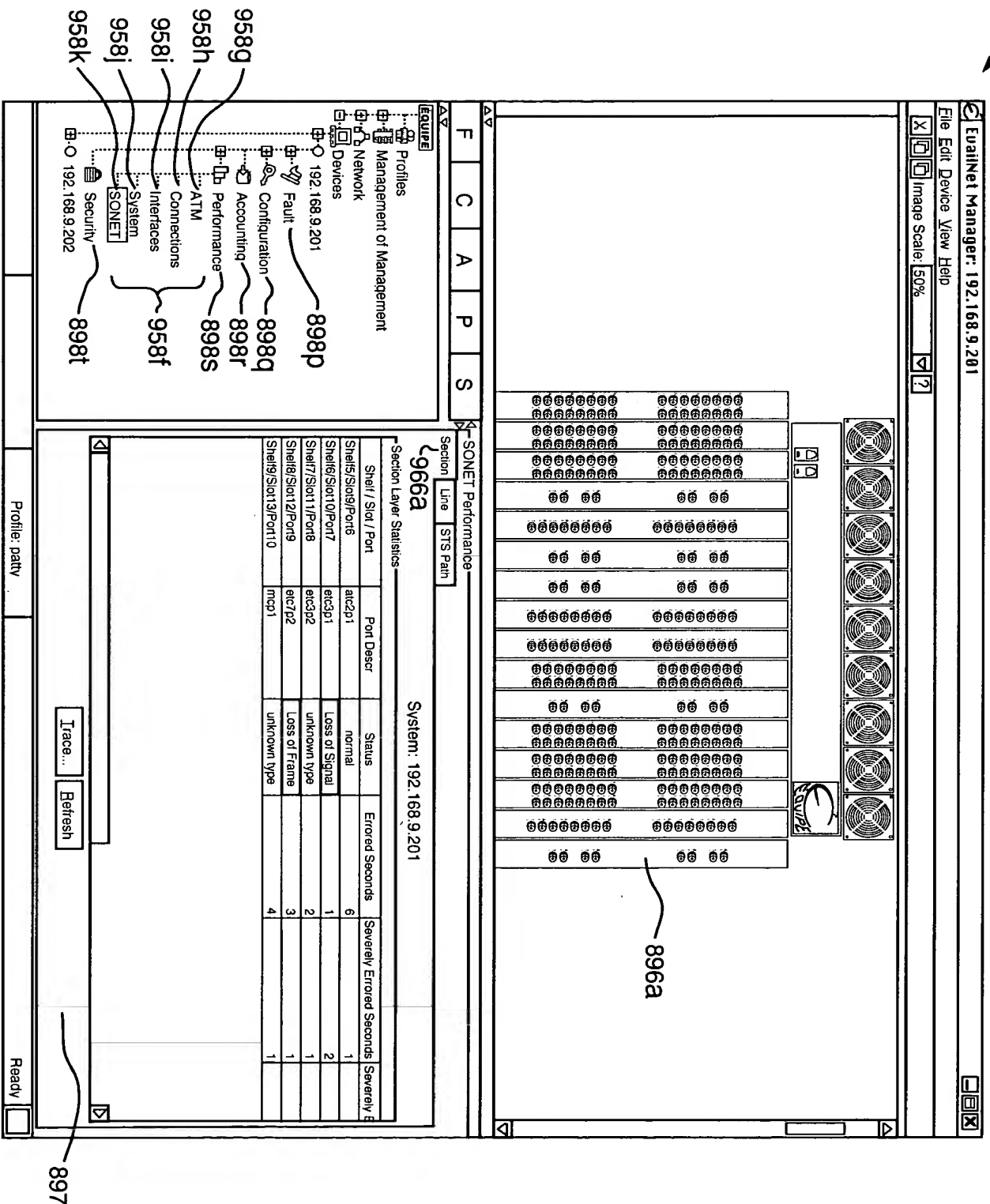


FIG. 8A

895

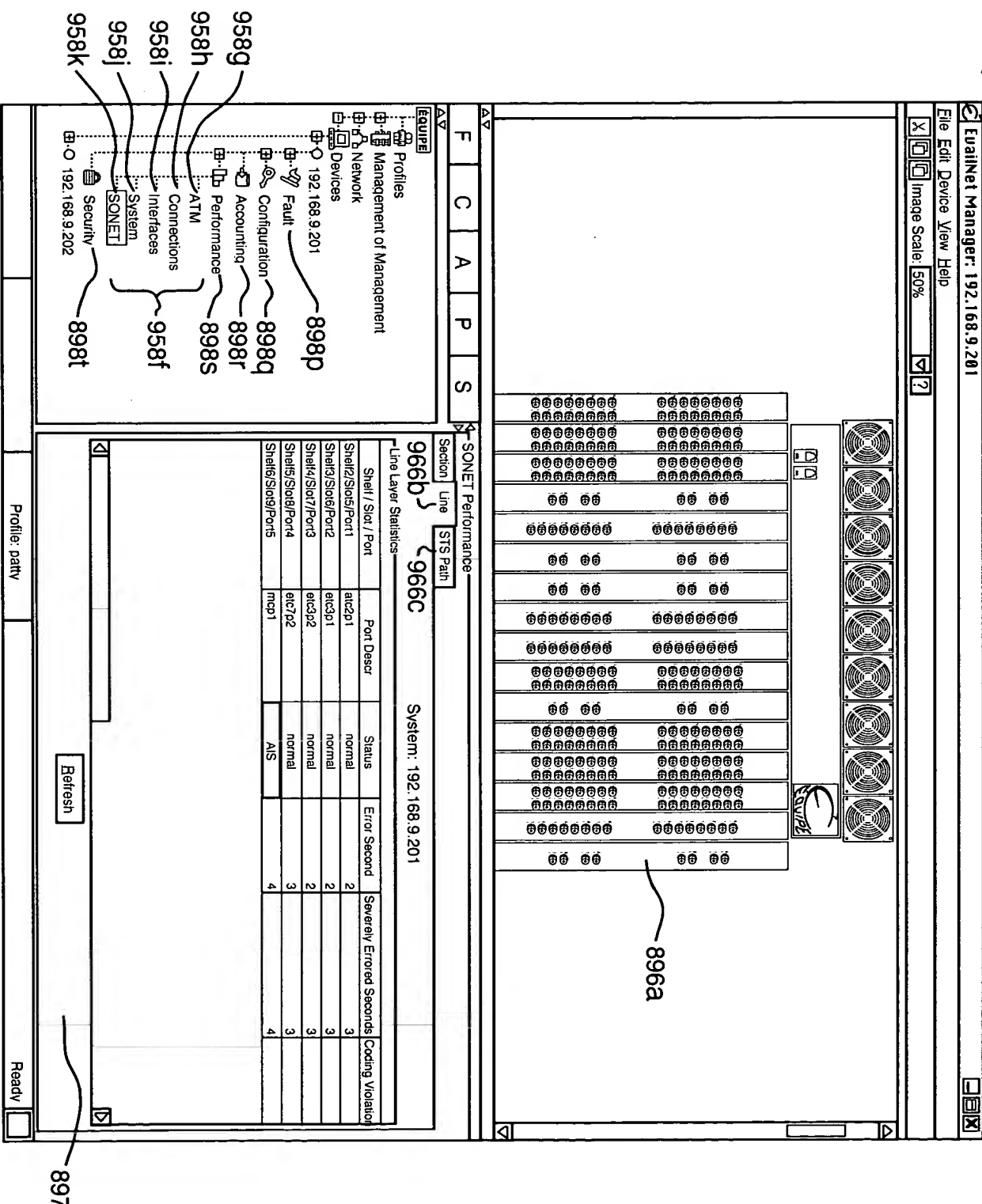


FIG. 8B

895

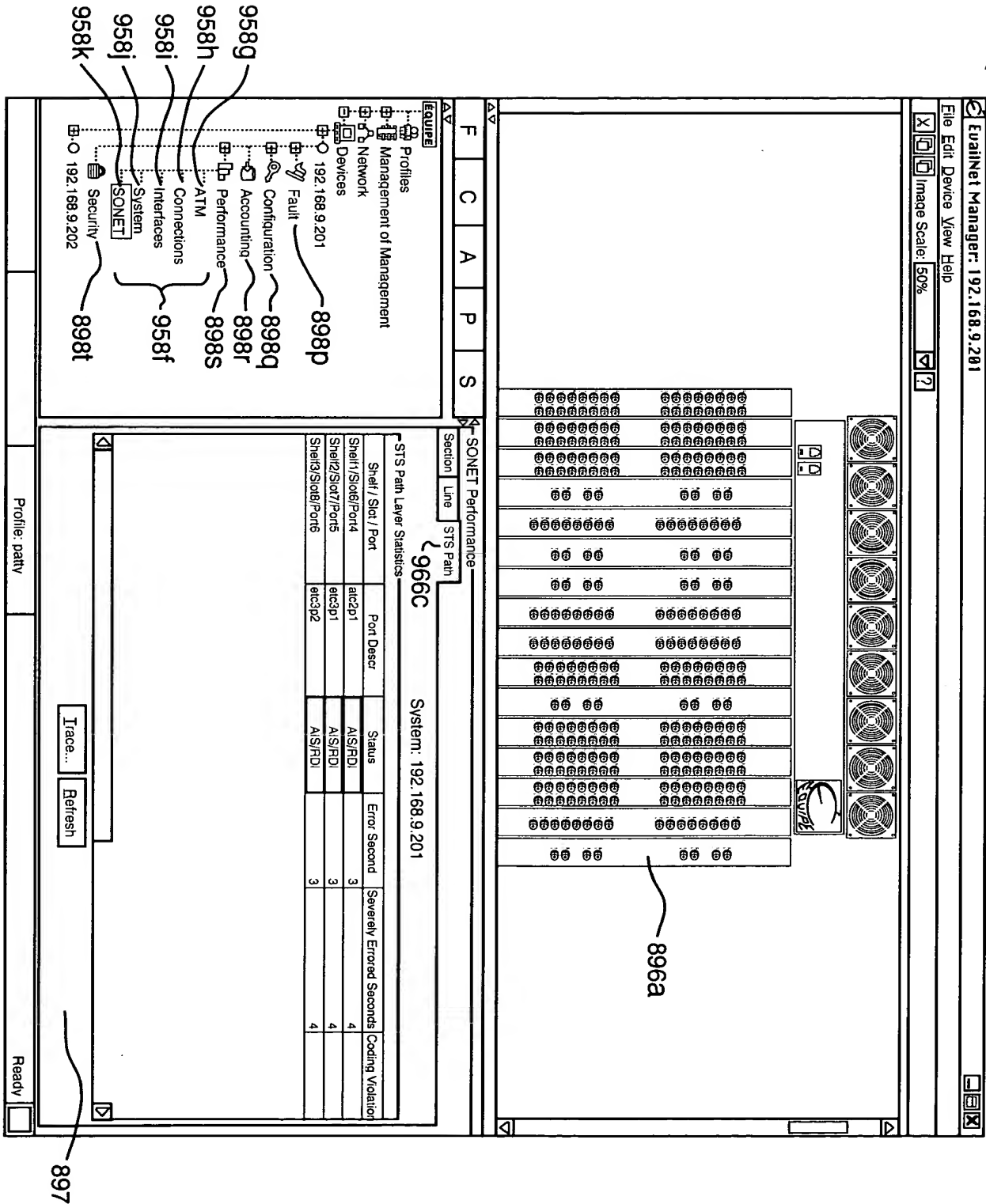
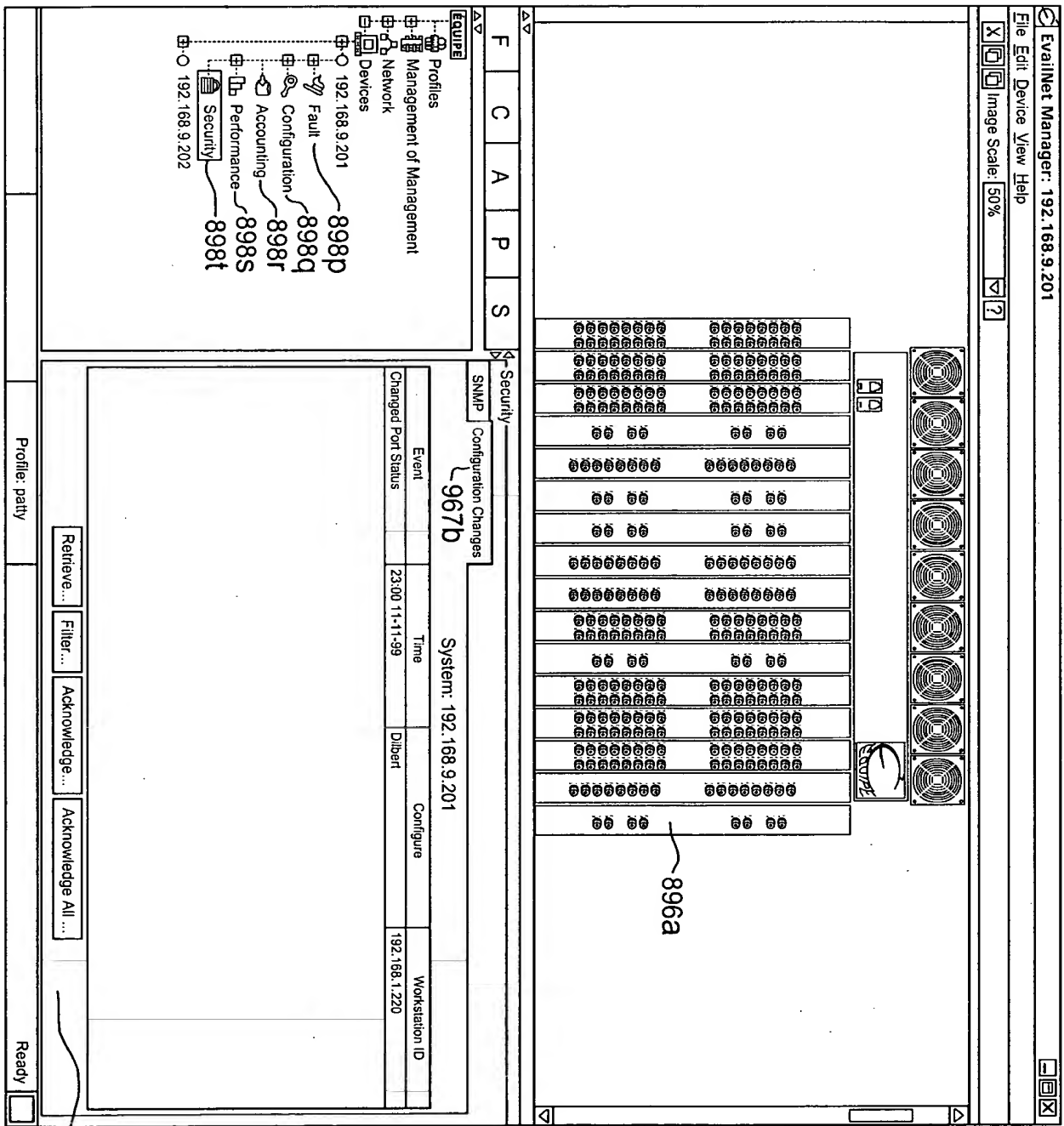


FIG. 8C

897

FIG. 8D

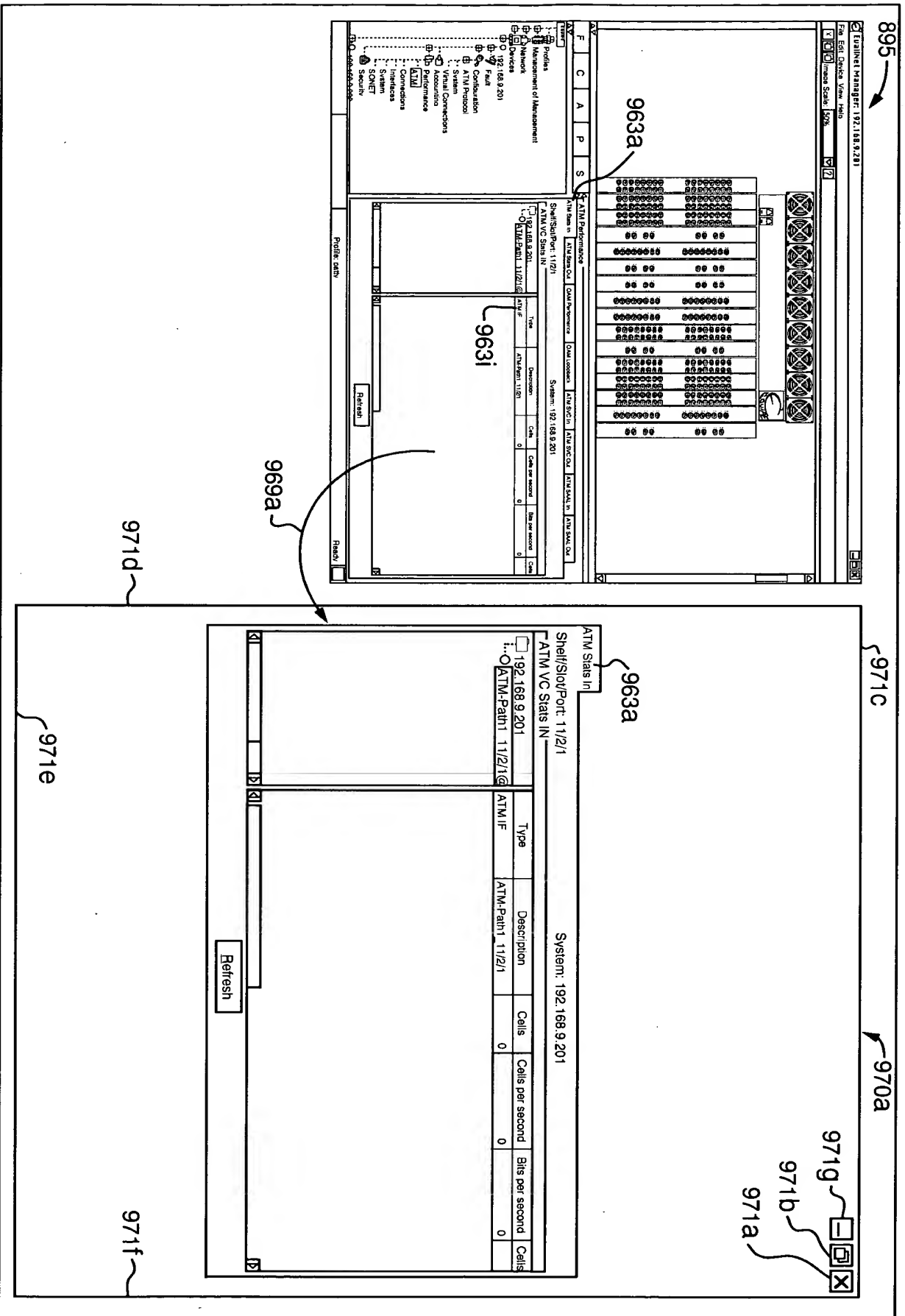
895



897

FIG. 8E

FIG. 9A



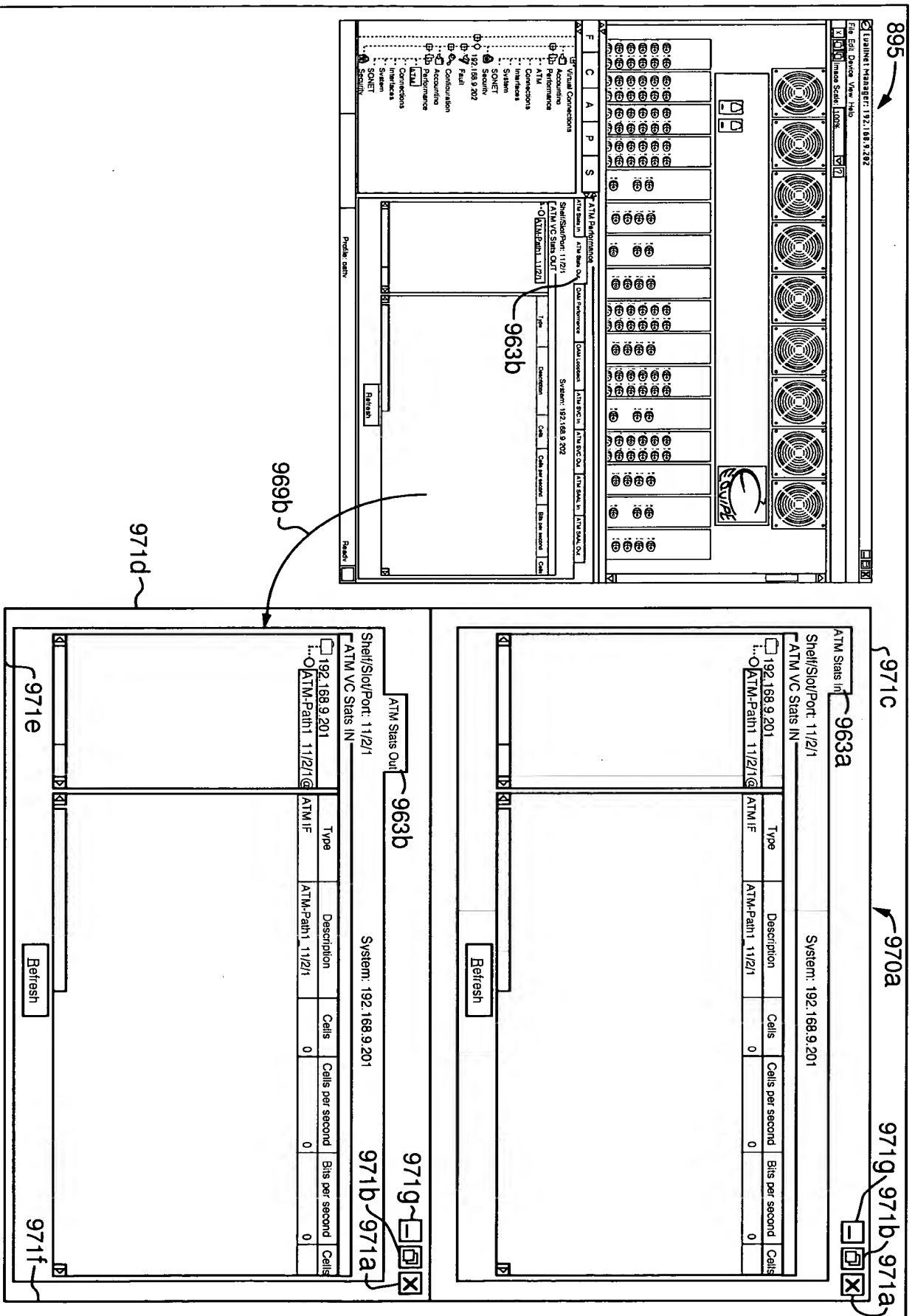


FIG. 9C

FIG. 9D

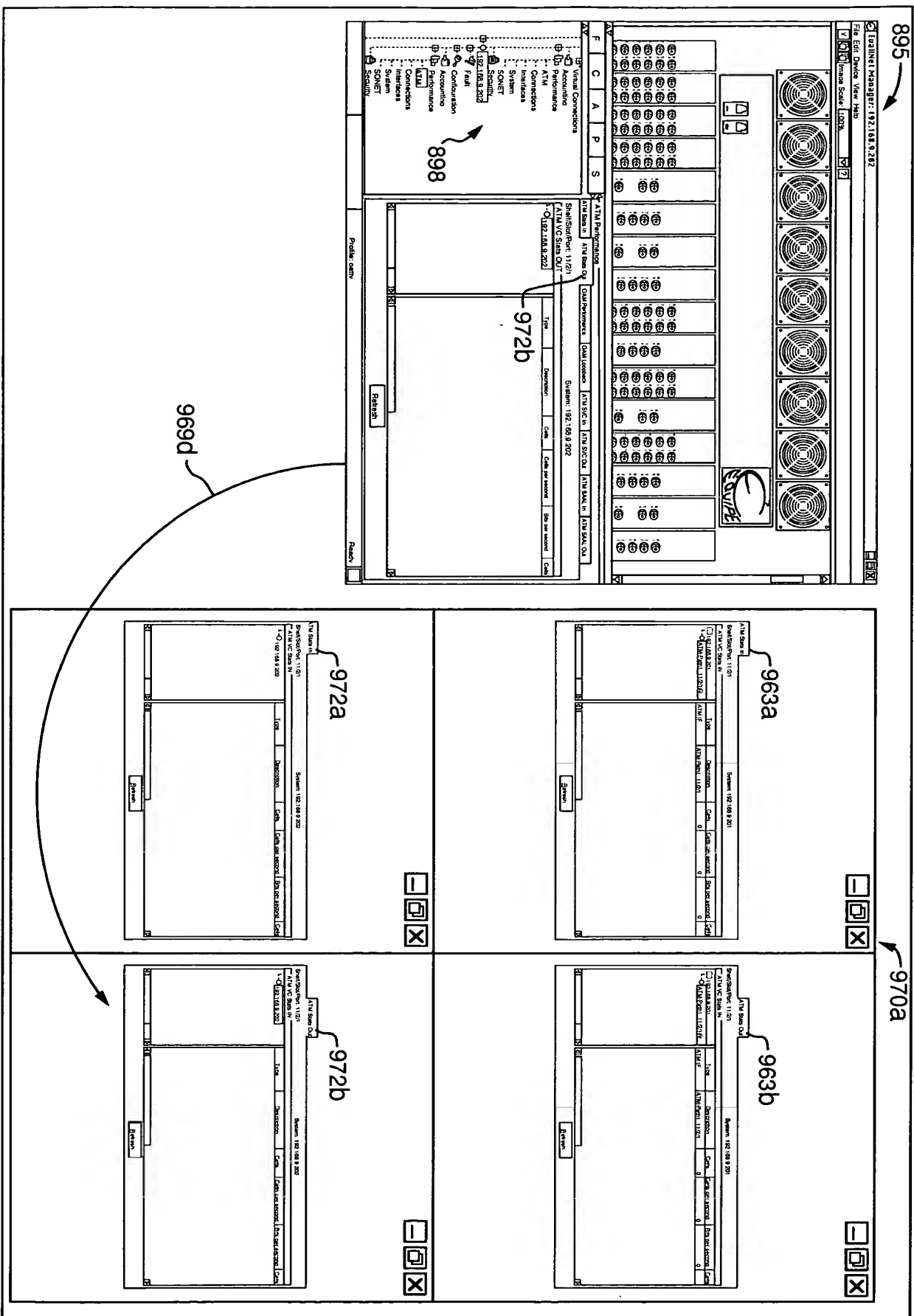


FIG. 9E

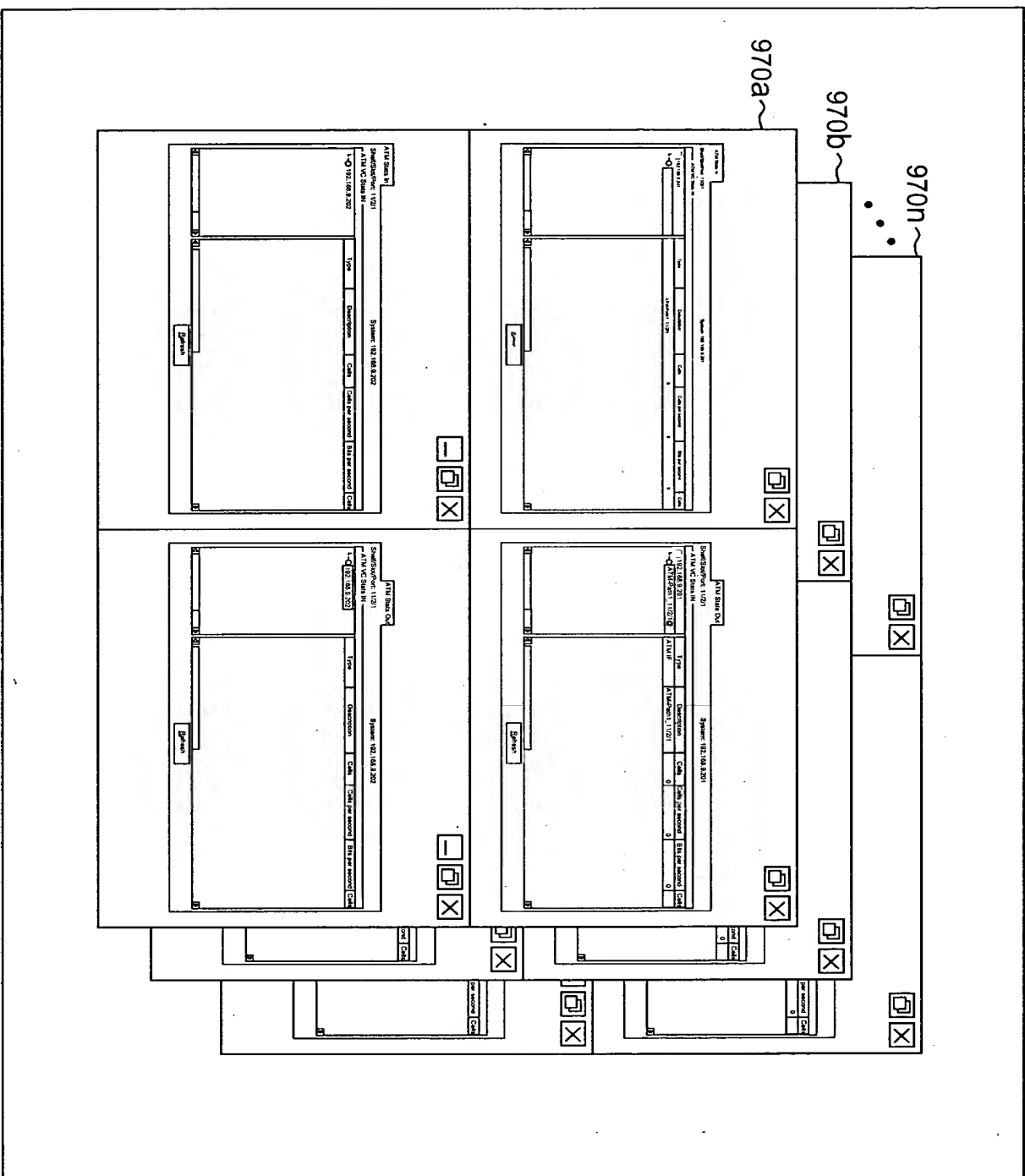


FIG. 9F

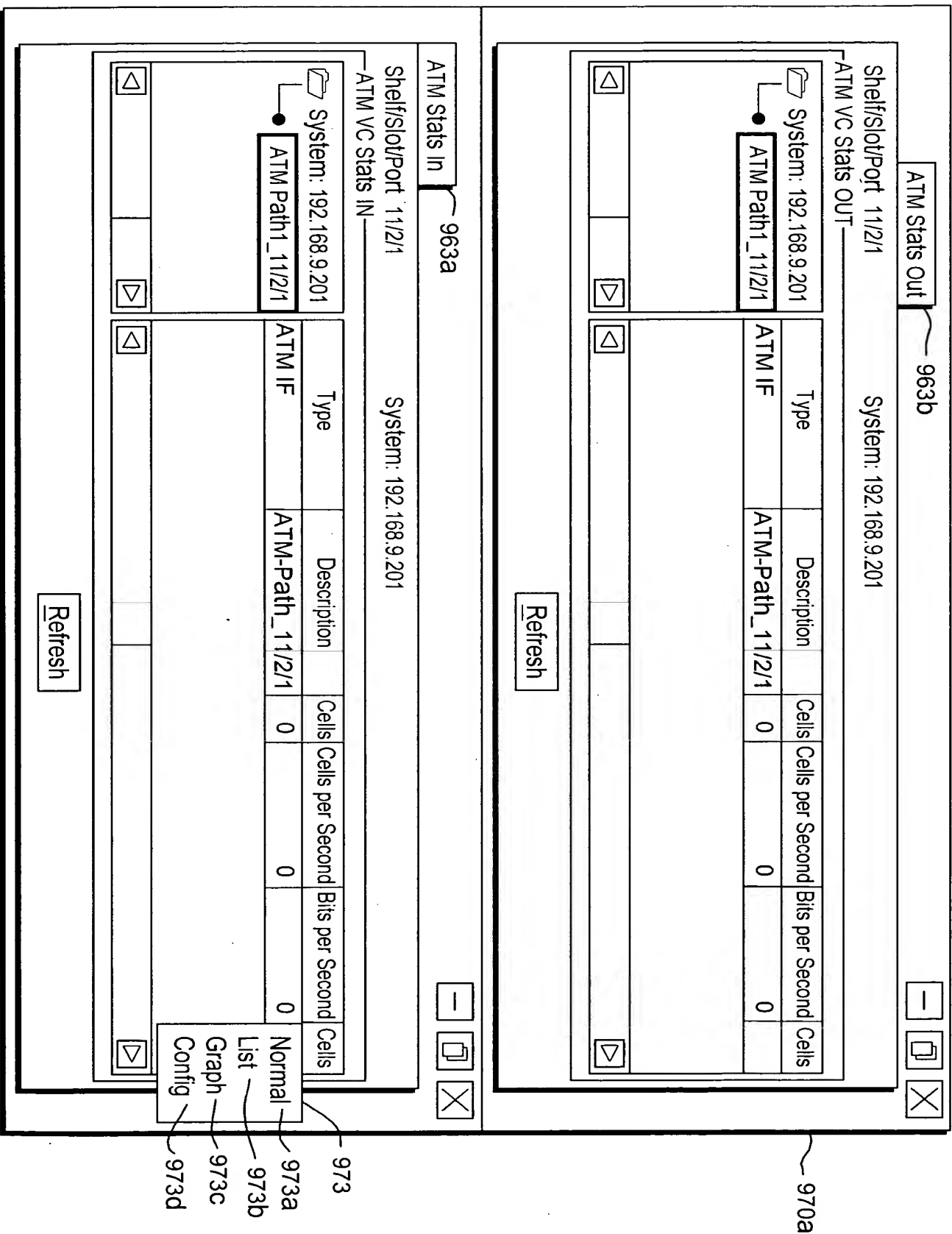


FIG. 9G

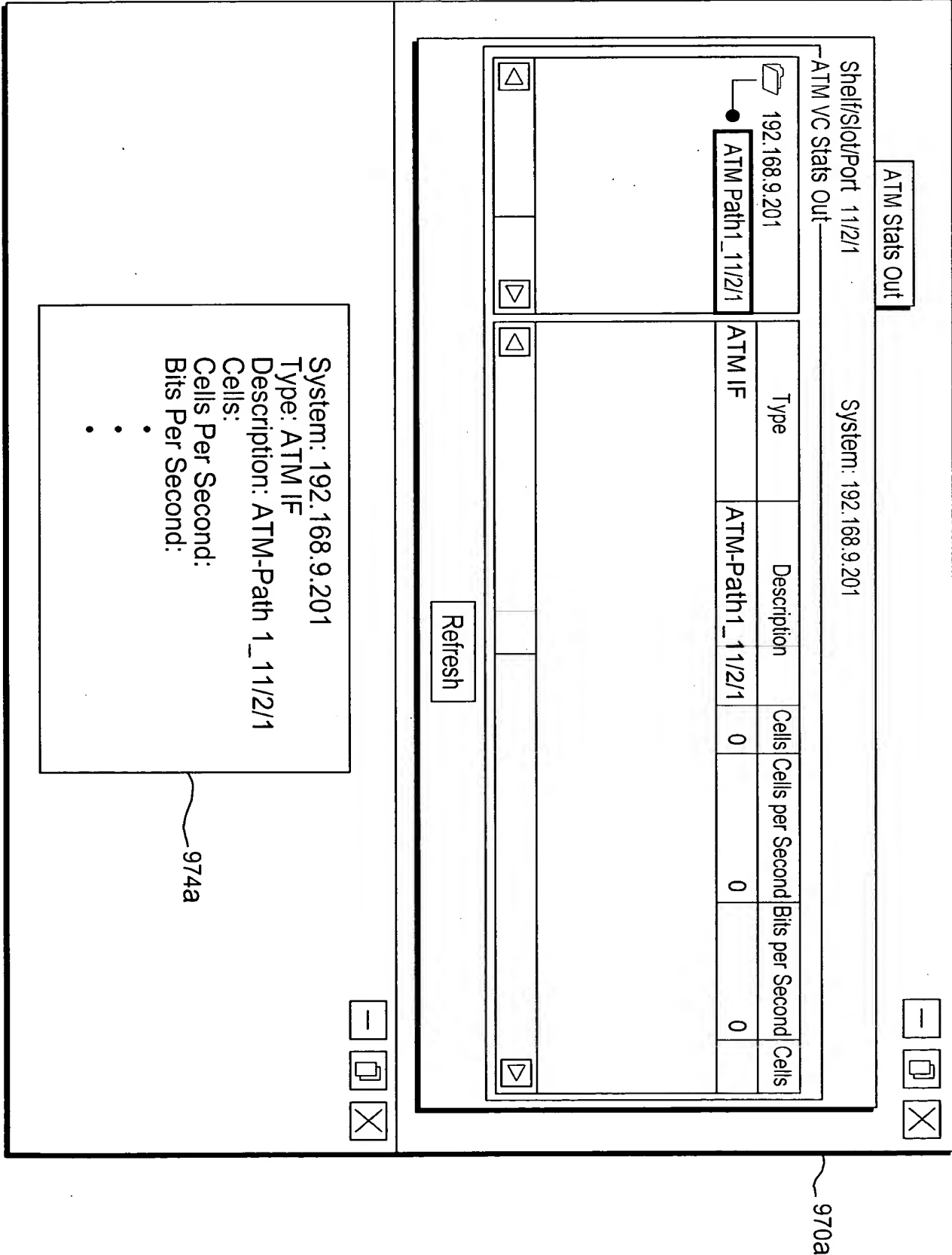


FIG. 9H

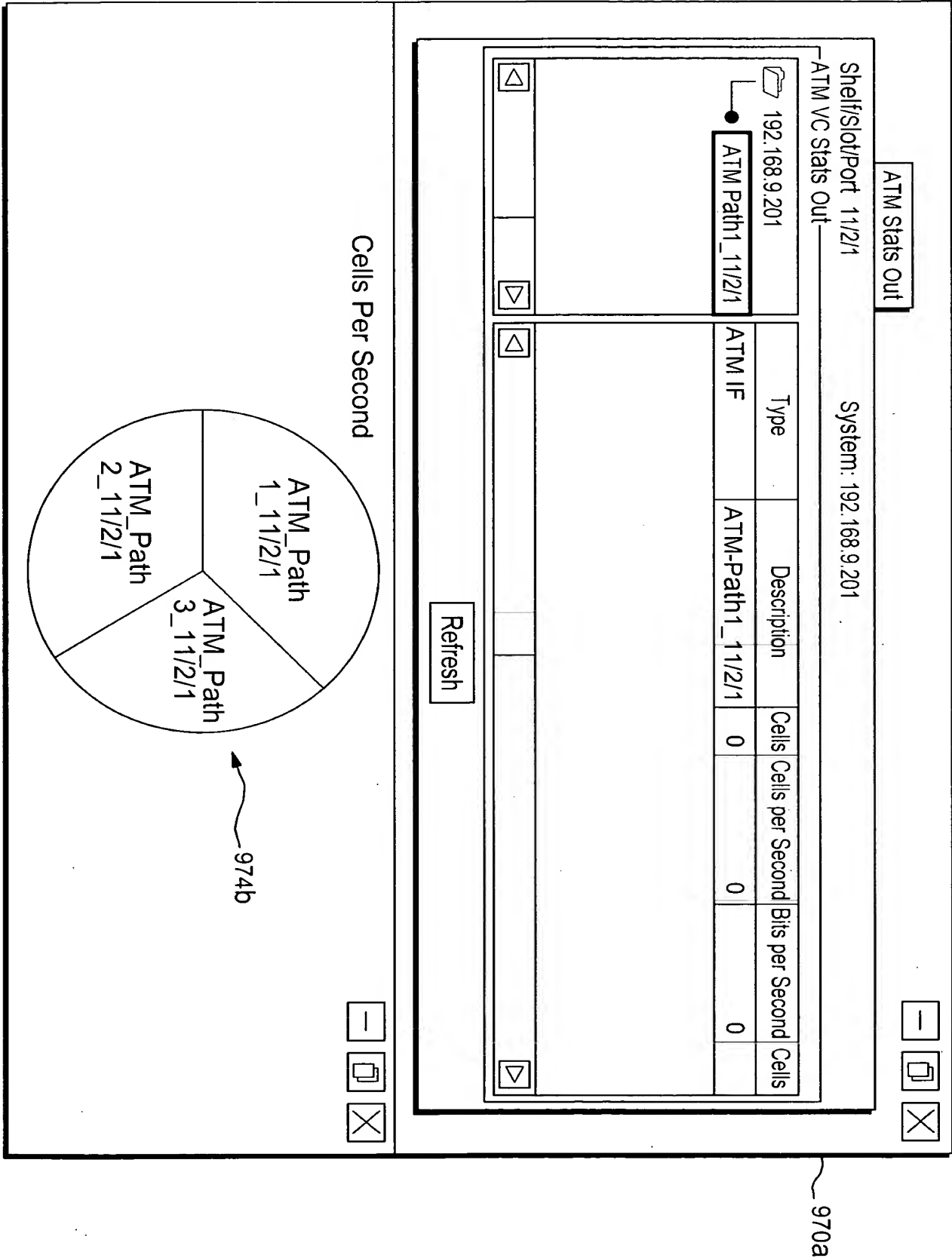


FIG. 91

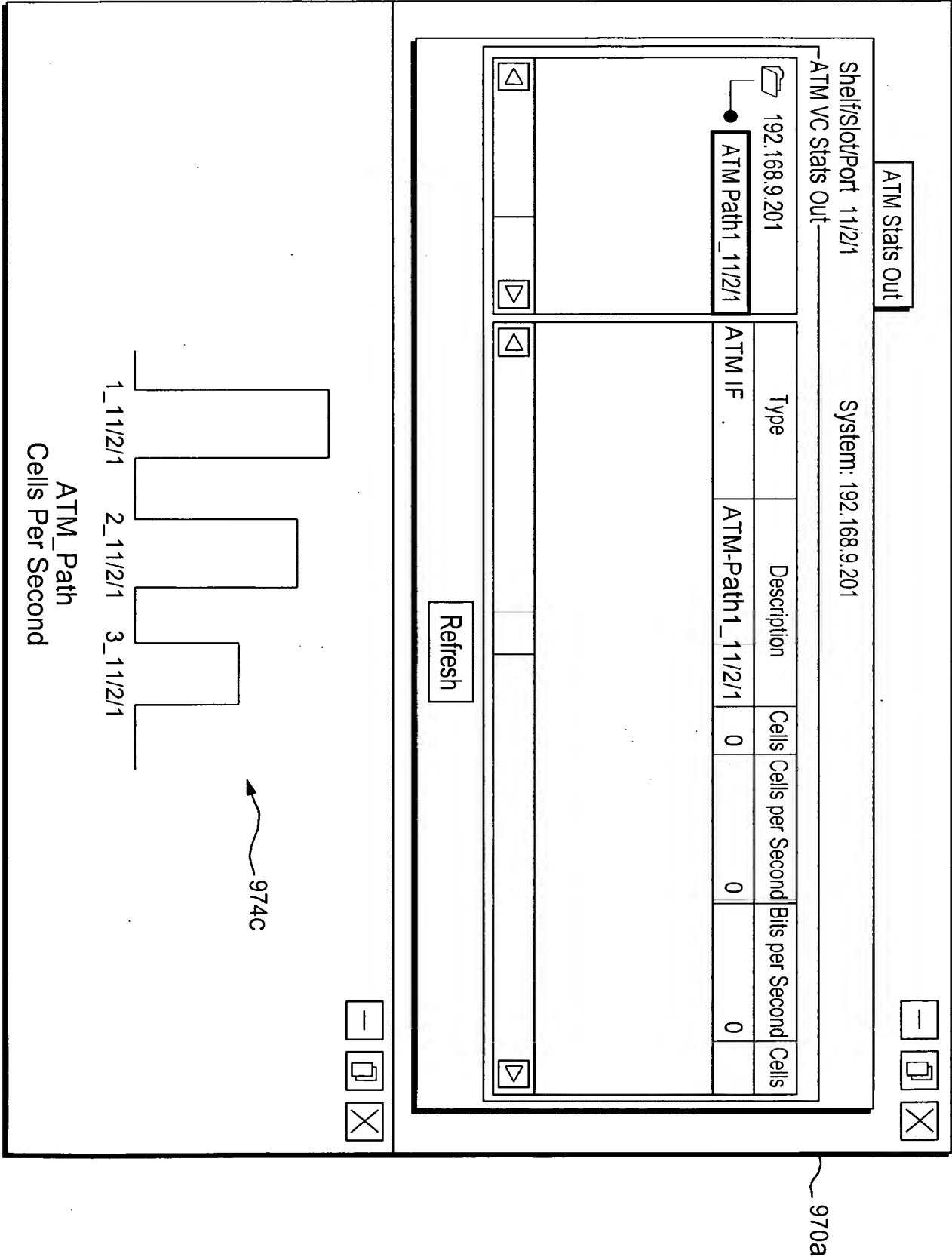


FIG. 9J

ATM Interface Properties - 192.168.9.202

Shelf/Slot/Port: 11/2/1 Path Name: Path2_11/2/1

ATM VC Stats Out

System: 192.168.9.201

Type	Description	Cells	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

Refresh

ATM Properties

Name: ATM-Path_11/2/1

Minimum VPI bits: 1

Maximum VPI bits: 8

Minimum VCI bits: 5

Maximum VCI bits: 16

OK Cancel

FIG. 9K

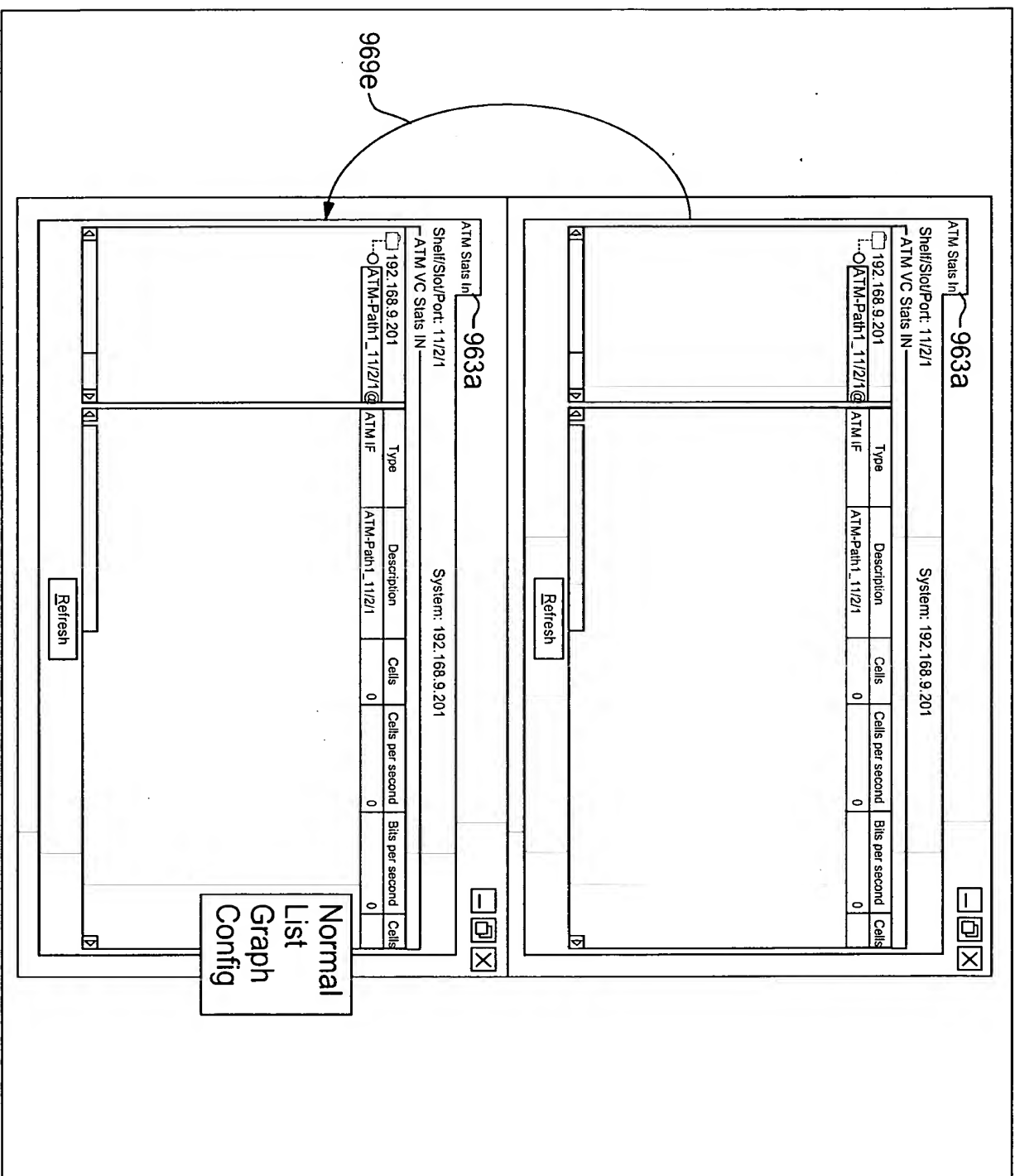


FIG. 9L

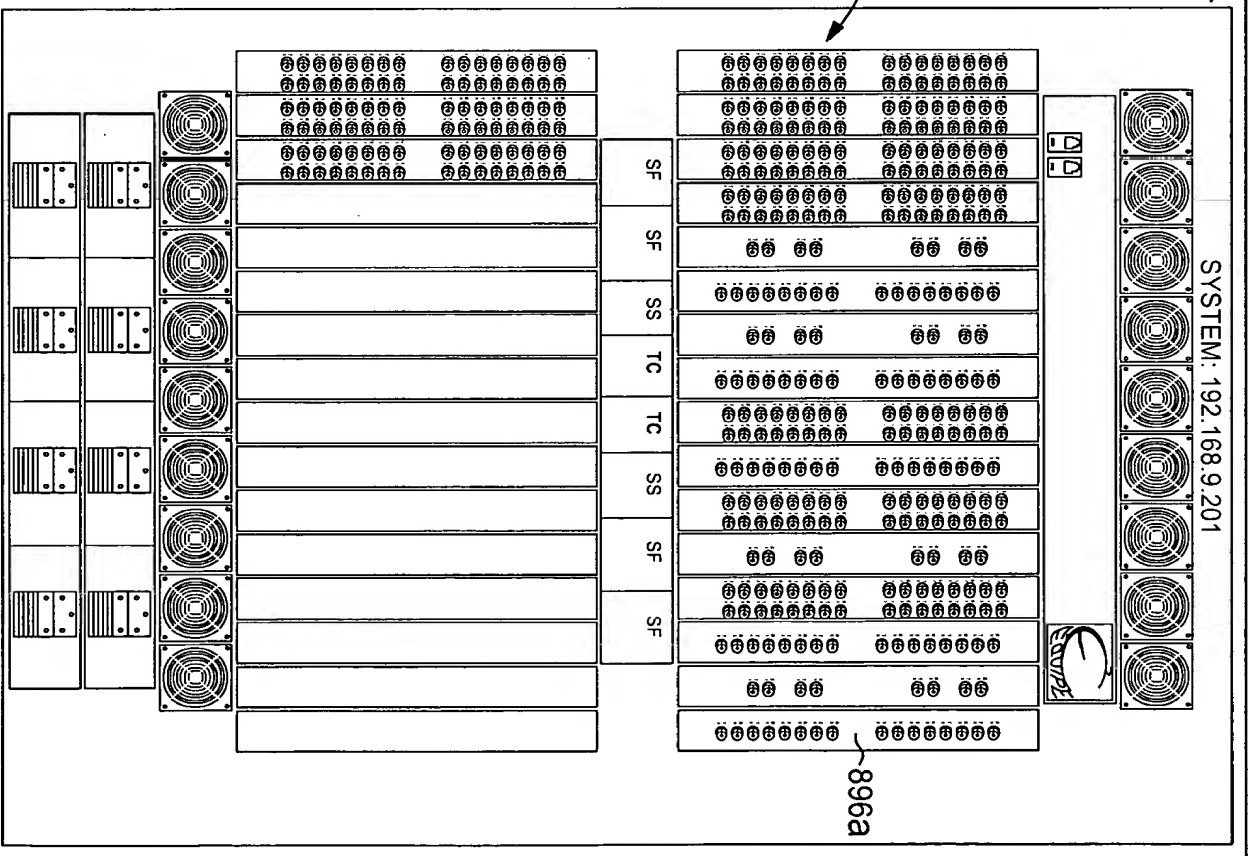
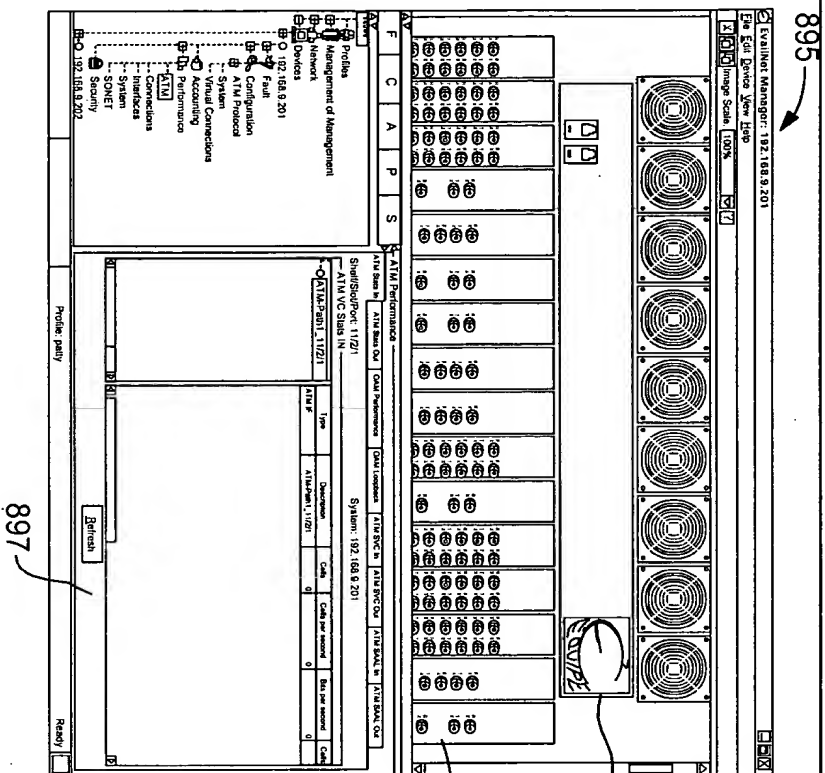
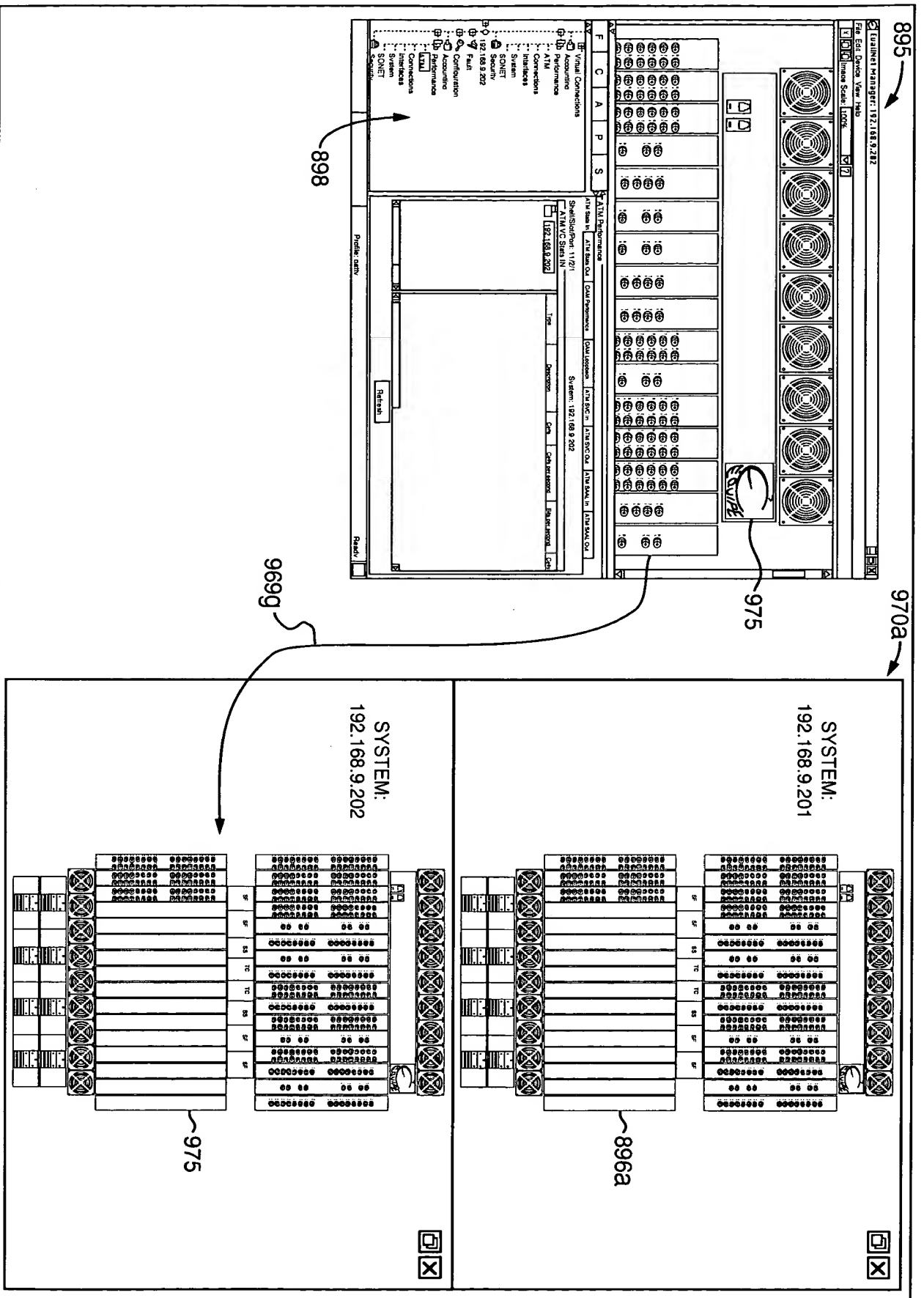


FIG. 9M



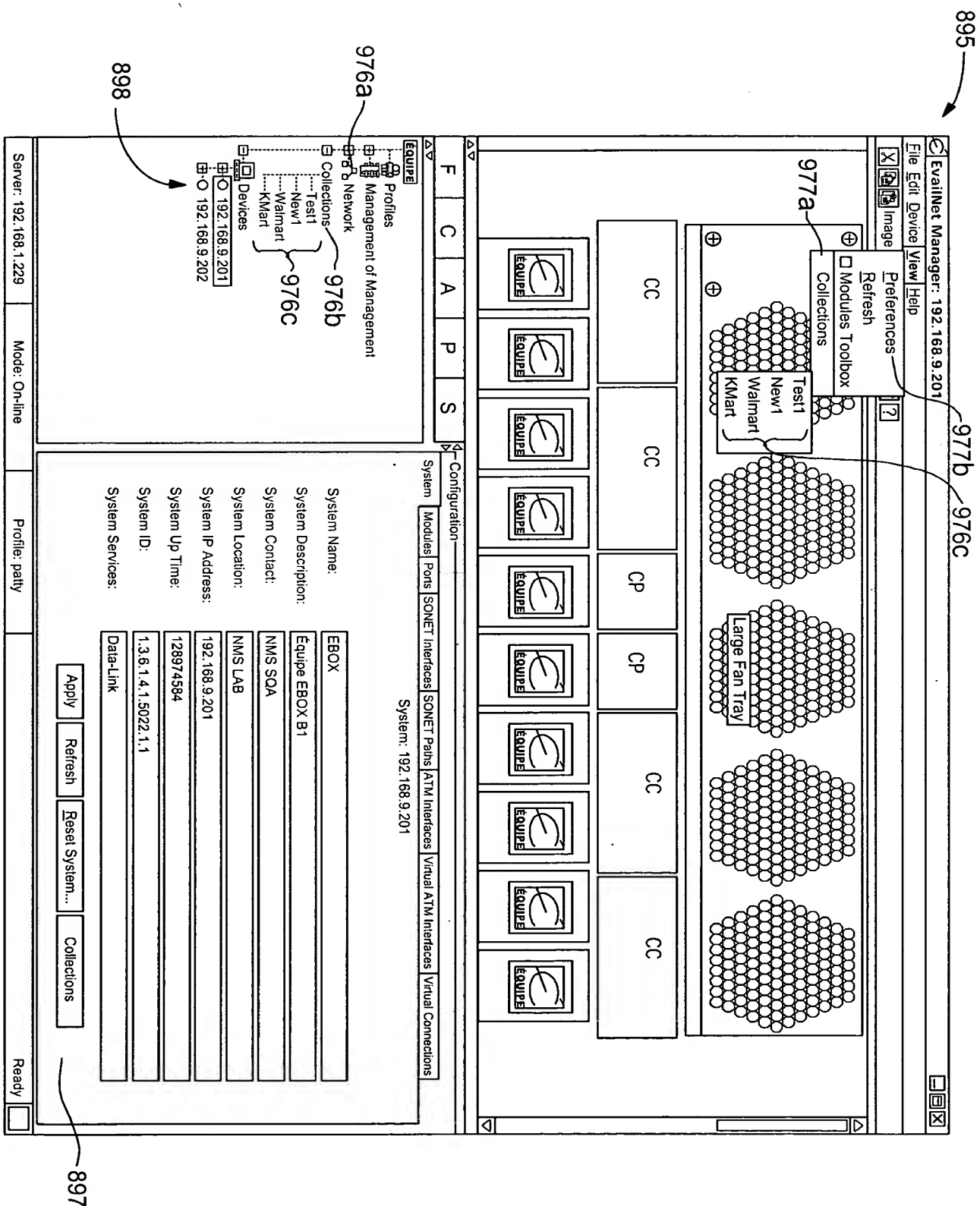


FIG. 10A

897

FIG. 10B

895

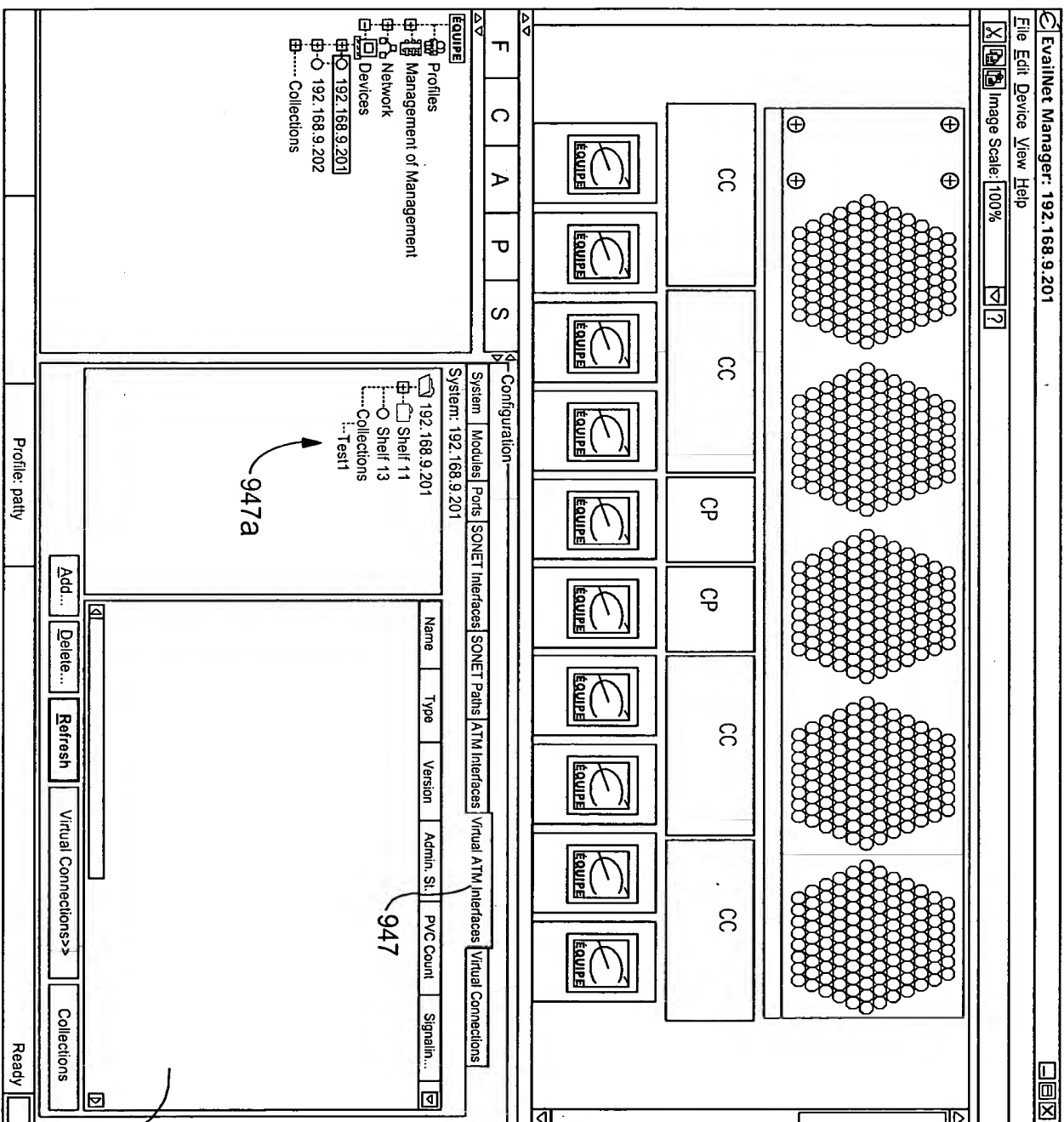


FIG. 10C

895

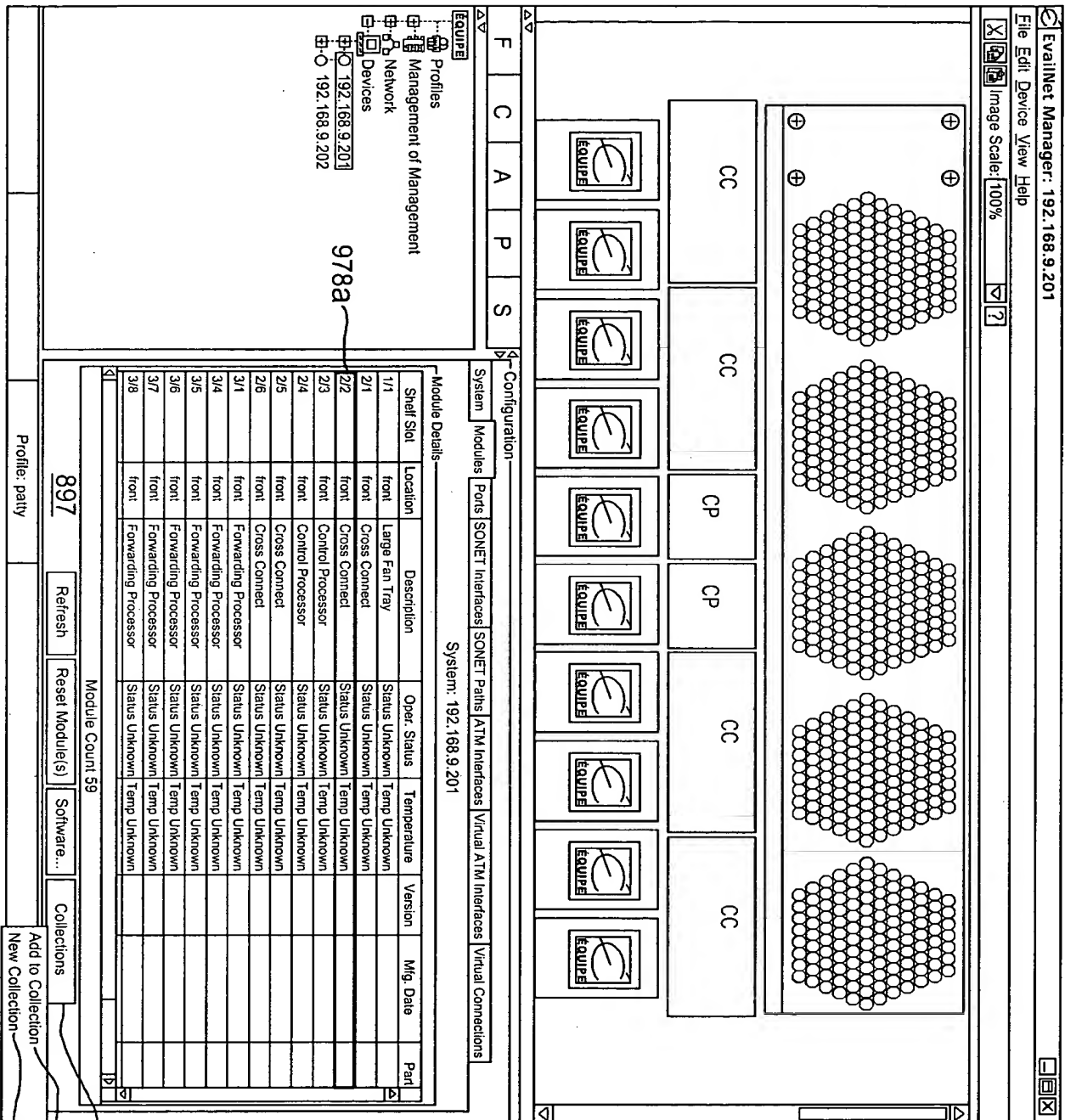


FIG. 10D

Collection Name:

979d

FIG. 10E

Existing Collections:
Test1
New1
Walmart
Kmart

979f

FIG. 10F

895

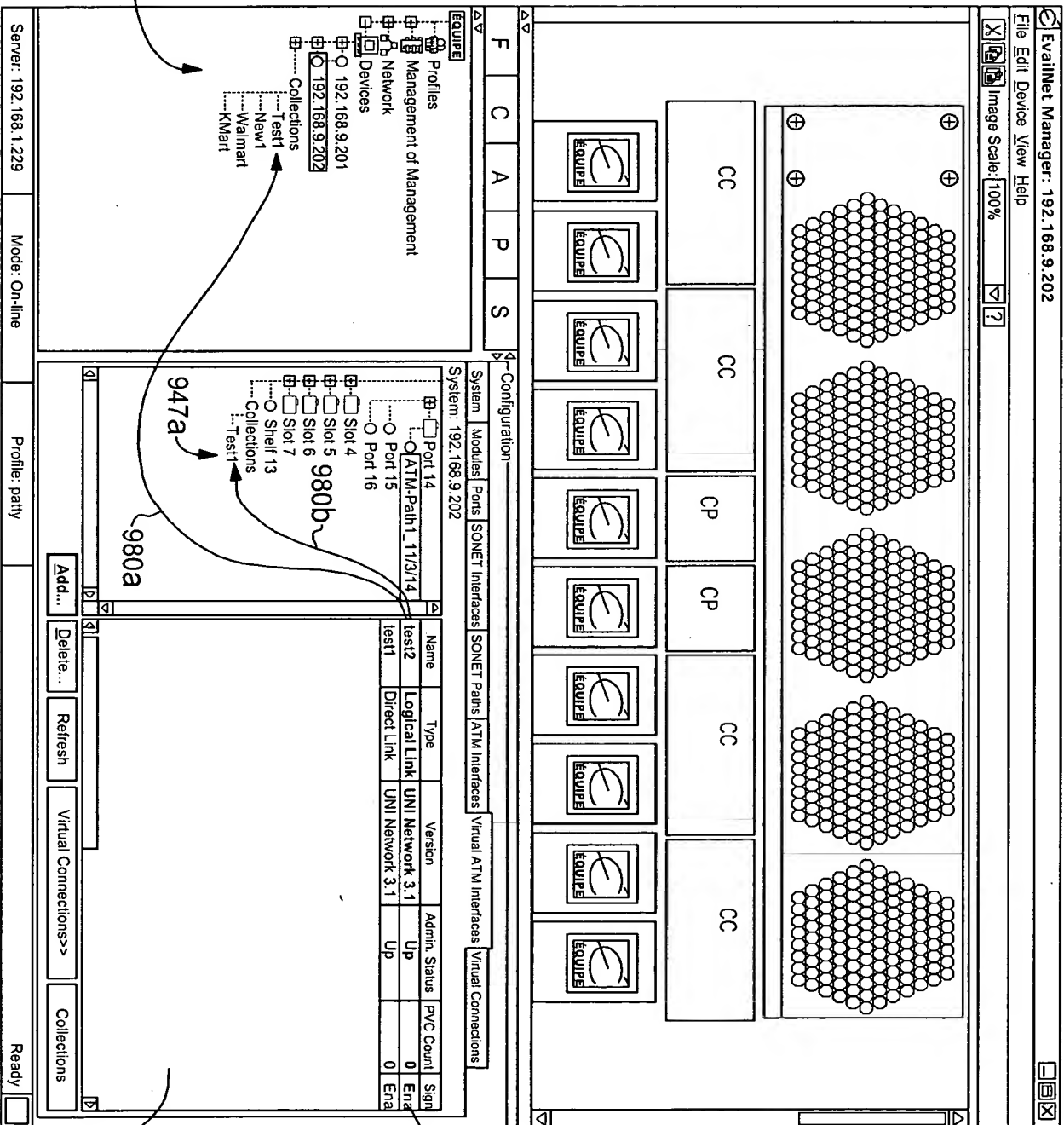


FIG. 10G

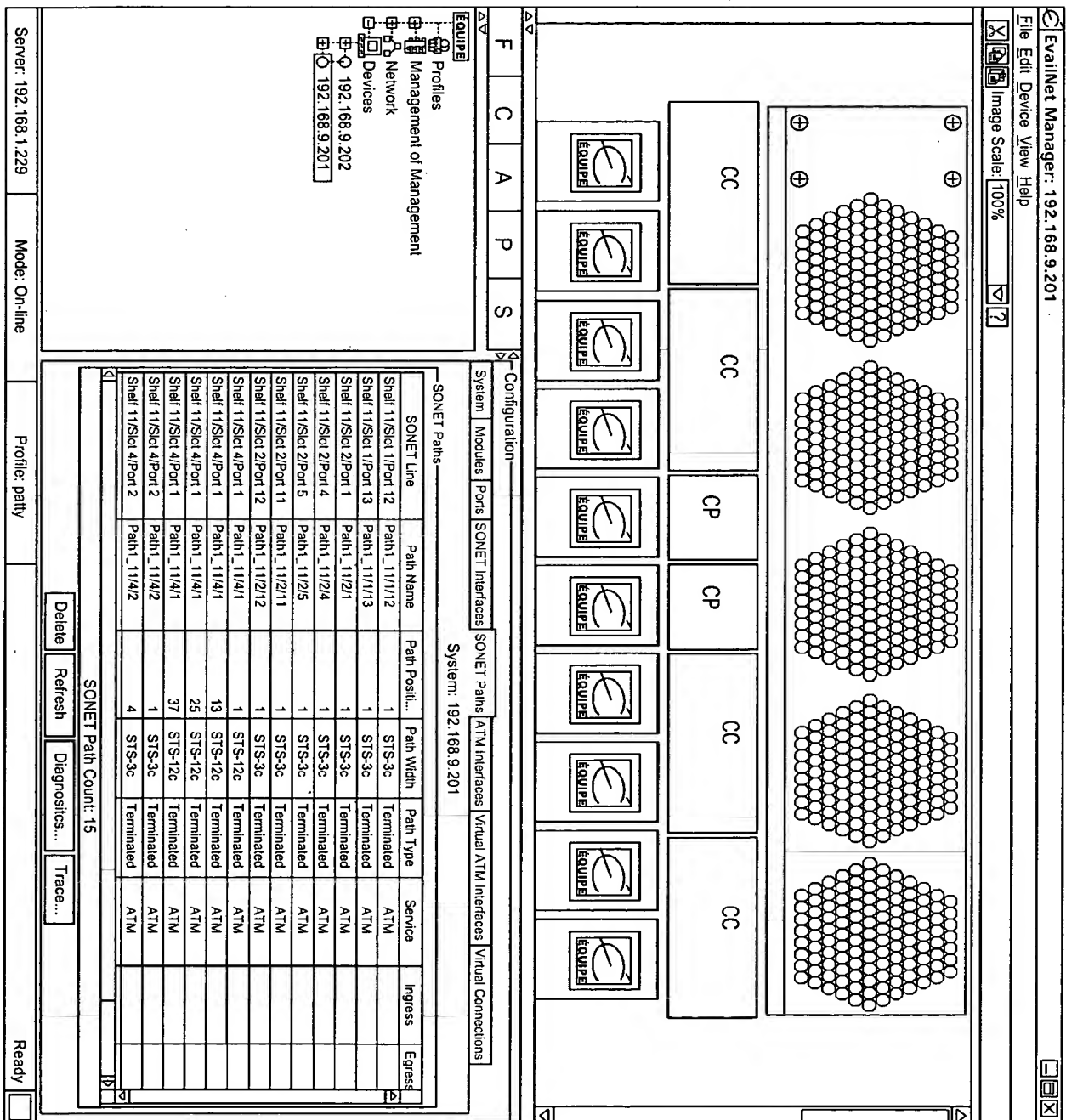


FIG. 10H

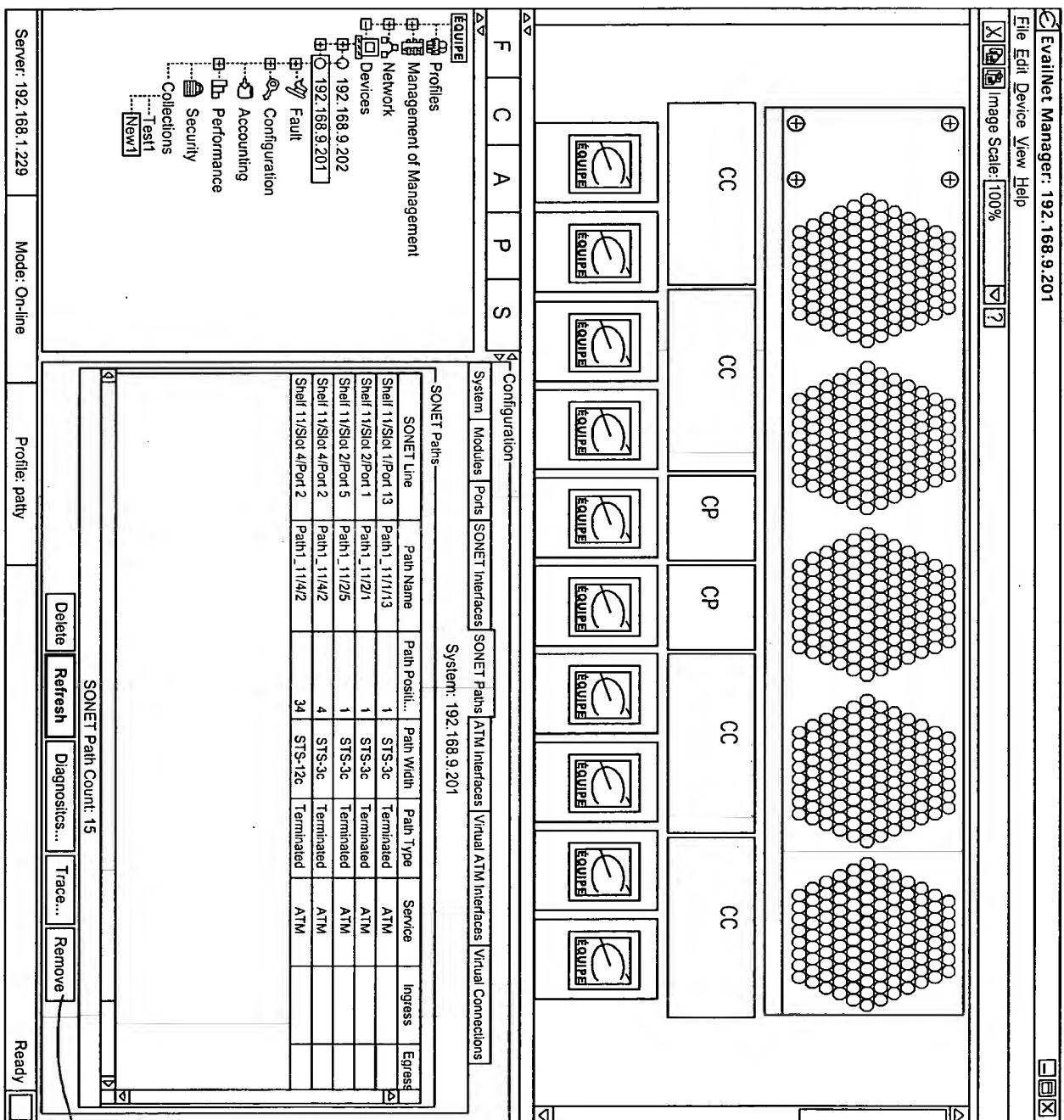


FIG. 101

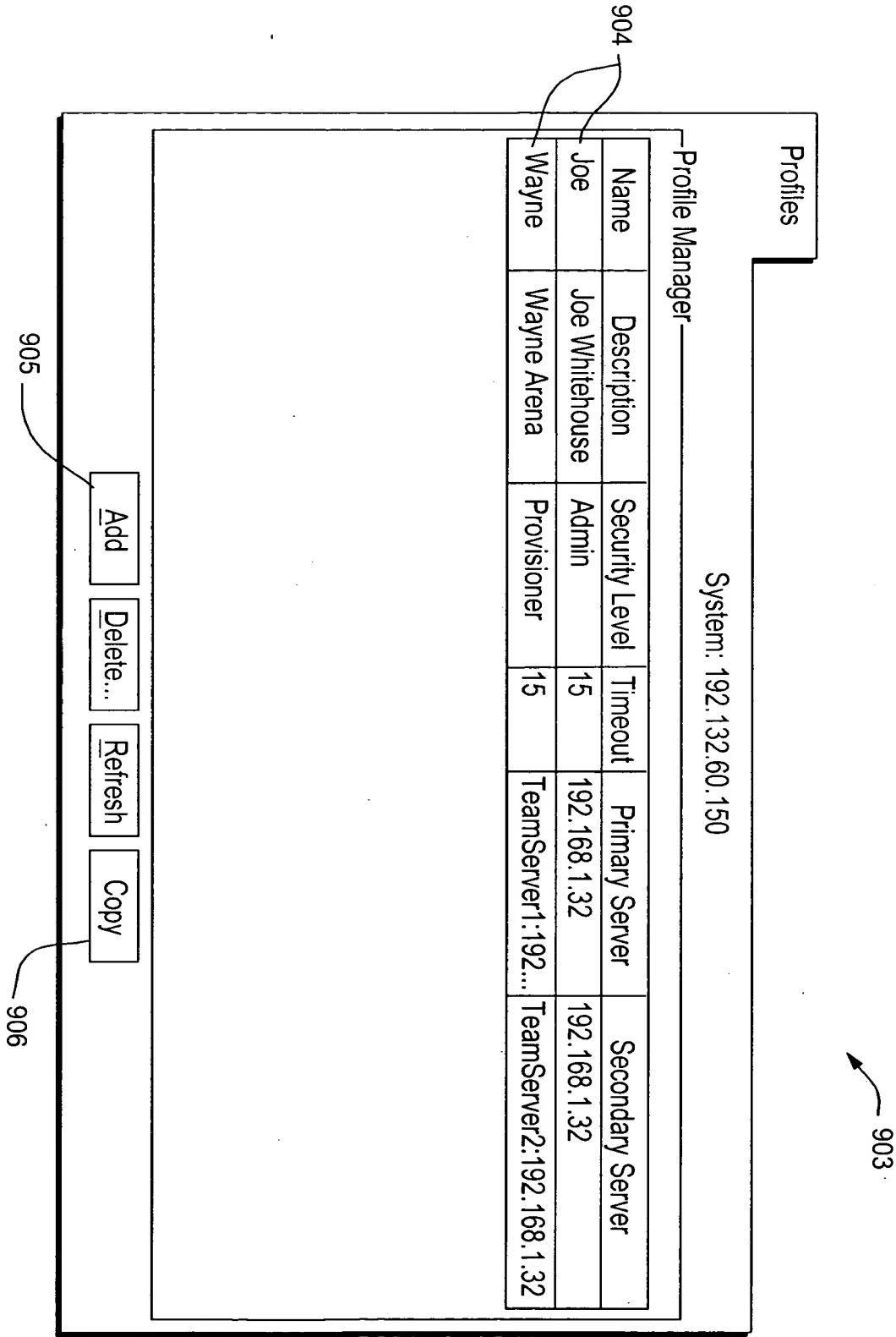


FIG. 11A

907

General

Username: Kevin

Description: Kevin Snow user account

Group Name: Equipe

Group Level Access: ☒

Password: *****

Confirm Password: *****

908a

908e

908f

908d

908b

908c

Policies

908h ☒ User Cannot Change Password

908i ☐ Account Disabled

908j ☒ User Can Add Devices

User Session Timeout:

15

 Minutes

908k

FIG. 11B

TO
FIG. 11C

FROM
FIG. 11B

Servers

Primary Server:
Primary Server Port:
Secondary Server:
Secondary Server Port:

192.168.1.220
6500
192.168.1.221
6503

9081
908n
908m
908o

908g

Devices

Device	READ	READWRITE	Retry	Timeout	
192.168.9.202	public	equipe	3	3	<div>908p</div> <div>908q</div> <div>908r</div> <div>908s</div>
192.168.9.205	public	equipe	3	3	
192.168.9.216	public	equipe	3	3	

908t

OK

Cancel

Add

Delete

FIG. 11C

General

Policies

Servers

Devices

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.205

6503

908t

OK

Cancel

-

X

FIG. 11D

General

Policies

Servers

Devices

Device	READ	READ/WRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	3	162
192.168.9.205	public	equipe	3	3	162
192.168.9.216	public	equipe	3	3	5012

Add

Delete

908t

OK

Cancel

FIG. 11E

General

Policies

Servers

Devices

Username:

Description:

Customer Name:

Group Level Access:

Password:

Confirm Password:

Kevin

Kevin Snow user account

Equipe

908t

OK

Cancel

FIG. 11F

General

Policies

Servers

Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout:

Minutes

908t

OK

Cancel

FIG. 11G

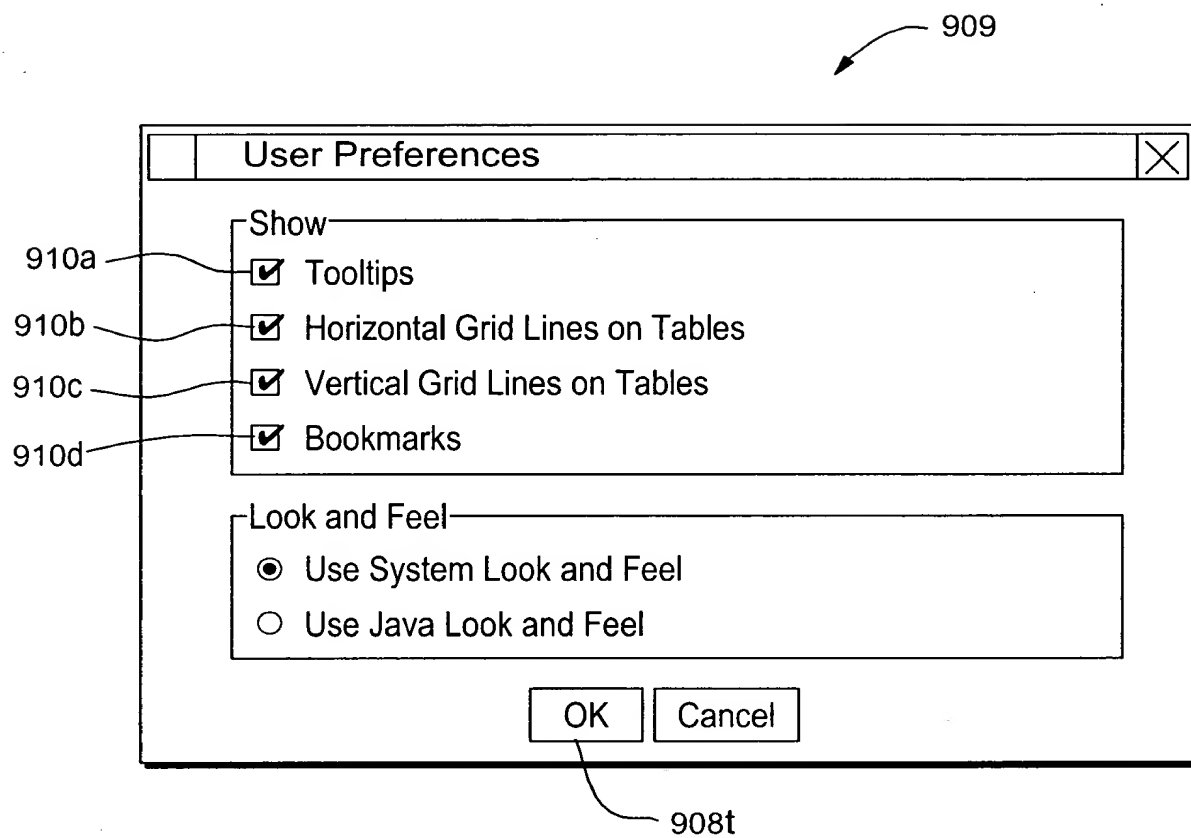


FIG. 11H

907

General

Username:

Kevin

908a

Description:

Kevin Snow user account

908e

Group Name:

Equipe

908f

Group Level Access:

☒

908d

Password:

908b

Confirm Password:

908c

Policies

☒

908h

User Cannot Change Password

☐

908i

Account Disabled

☒

908j

User Can Add Devices

User Session Timeout:

15

908k

Minutes

FIG. 11I

TO
FIG. 11J

FROM
FIG. 11I

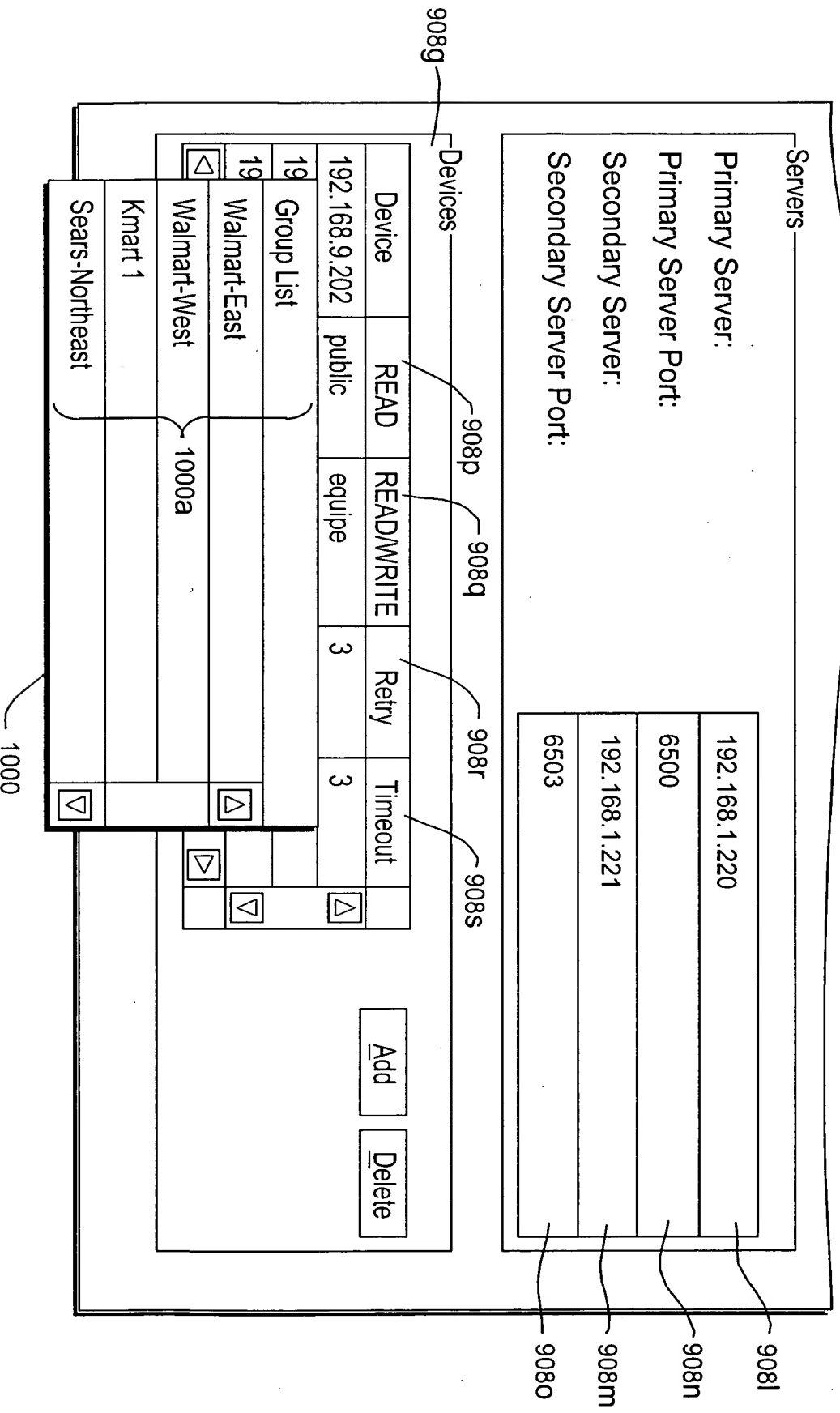


FIG. 11J

1002

EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line Slot Port Type

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM		

1002a

1002e Modify

1002d OK Cancel

Group Name: 1002b 1002c

Graphical Representation

Position Width

1 STS-12c

FIG. 11K

1002C

1002

System: 192.168.9.201

EvailNet Manager: SONET Path Configuration - 11/8/5

SONET Line

Slot 8 Port 5 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☒ Custom Configuration

4

STS-3c

paths

Functions

Available SONET Paths

STS-3c

Add>

<Remove

<<Clear

Allocated SONET Paths

STS-3c
STS-3c
STS-3
STS-3

↑

↓

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/8/5	Path1_11/8/5	1	STS-3c	Terminated	ATM		
11/8/5	Path2_11/8/5	4	STS-3c	Terminated	ATM		
11/8/5	Path3_11/8/5	7		Terminated	ATM		

1002e

Modify

1002a

1002d

OK

Cancel

Group Name

1002b 1002c

Graphical

Representation

Position

Width

1

STS-3c

4

STS-3c

FIG. 11M

MANAGED RESOURCE GROUP TABLE 1008

LID	MANAGED DEVICE PID	GROUP NAME
1145	1	WALMART-EAST
⋮	⋮	⋮

FIG. 11N

MANAGED RESOURCE TABLE 1007

LID	RESOURCE LID	MANAGE RESOURCE GROUP LID
4443	901	1145
⋮	⋮	⋮

FIG. 11O

Add V-ATM Interface - 192.168.9.201

Shelf/Slot/Port: 11/4/2 Path Name: Path2_11/4/2

Virtual ATM Interface Parameters

Name (Alias):	
Connection Type:	Direct Link ▾
Version:	UNI Network 3.1 ▾
Admin. Status:	Up ▾
Group Name:	▾

OK Cancel

1004 1004a 1004b 1004c

FIG. 11P

1006

EvailNet Manager: 192.168.9.201-Virtual Connection Wizard

Source: 192.168.9.201 Destination: 192.168.9.201

End Point 1

192.168.9.201

- Shelf 11
 - Slot 1
 - Slot 2
 - Slot 3
 - Slot 4
 - Port 1
 - Port 2
 - ATM-Path2_11/4/2

End Point 1

192.168.9.201

- Shelf 11
 - Shelf 13

Connection Parameters

Connection Name:

Admin Status: 1006b

Group Name:

End Point 1 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

<Back Finish 1006c Cancel

FIG. 11Q

USER TABLE 1010

	1010b		1010c	1010d	
1010a	LID	USERNAME	PASSWORD	GROUP LEVEL ACCESS	1010e
	2012	DAVE	MARBLE	PROVISIONER	
	⋮	⋮	⋮		

FIG. 11R

USER MANAGED DEVICE TABLE 1012

1012a	1012b		1012c	1012d	1012e
	LID	USER LID	HOST LID	RETRY	TIMEOUT
	7892	2012	9046		
	⋮	⋮	⋮	⋮	⋮

FIG. 11S

ADMINISTRATION MANAGED DEVICE TABLE 1014

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3
.
.
.

FIG. 11T

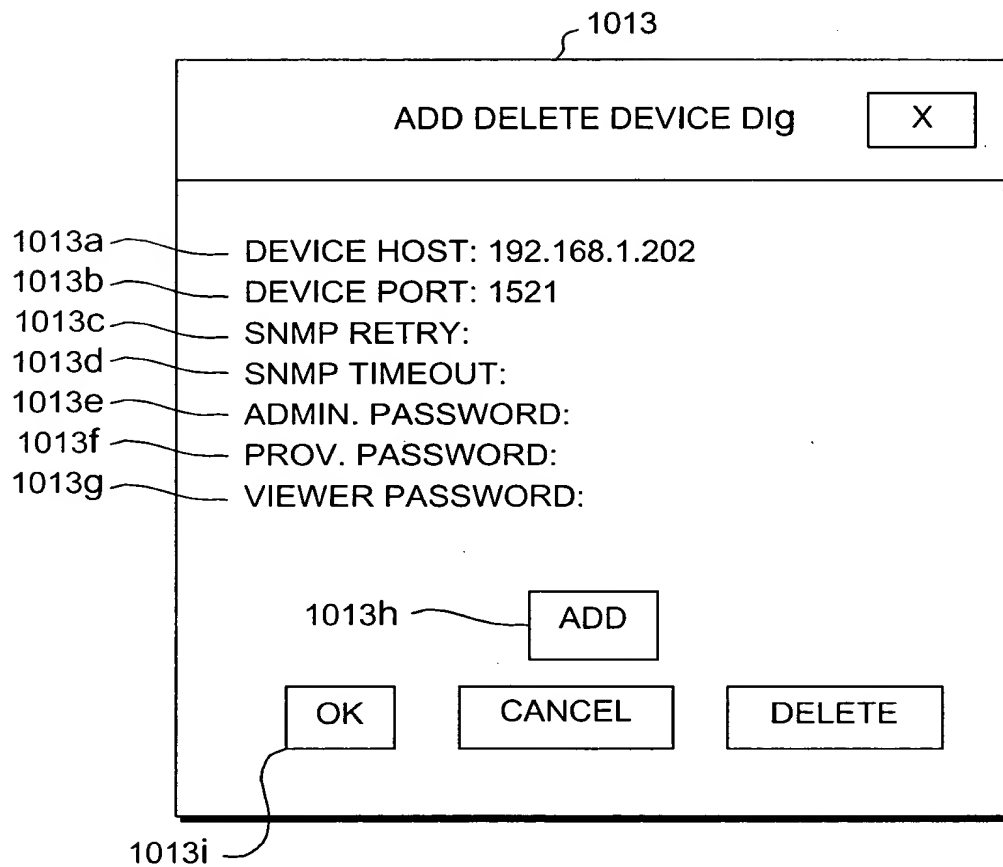


FIG. 11U

USER RESOURCE GROUP MAP TABLE 1016

LID	USER LID	USER RESOURCE GROUP LID
8086	2012	1024
⋮	⋮	⋮

FIG. 11V

USER RESOURCE GROUP TABLE 1018

LID	HOST LID	GROUP NAME
1024	9046	WALMART-EAST
⋮	⋮	⋮

FIG. 11W

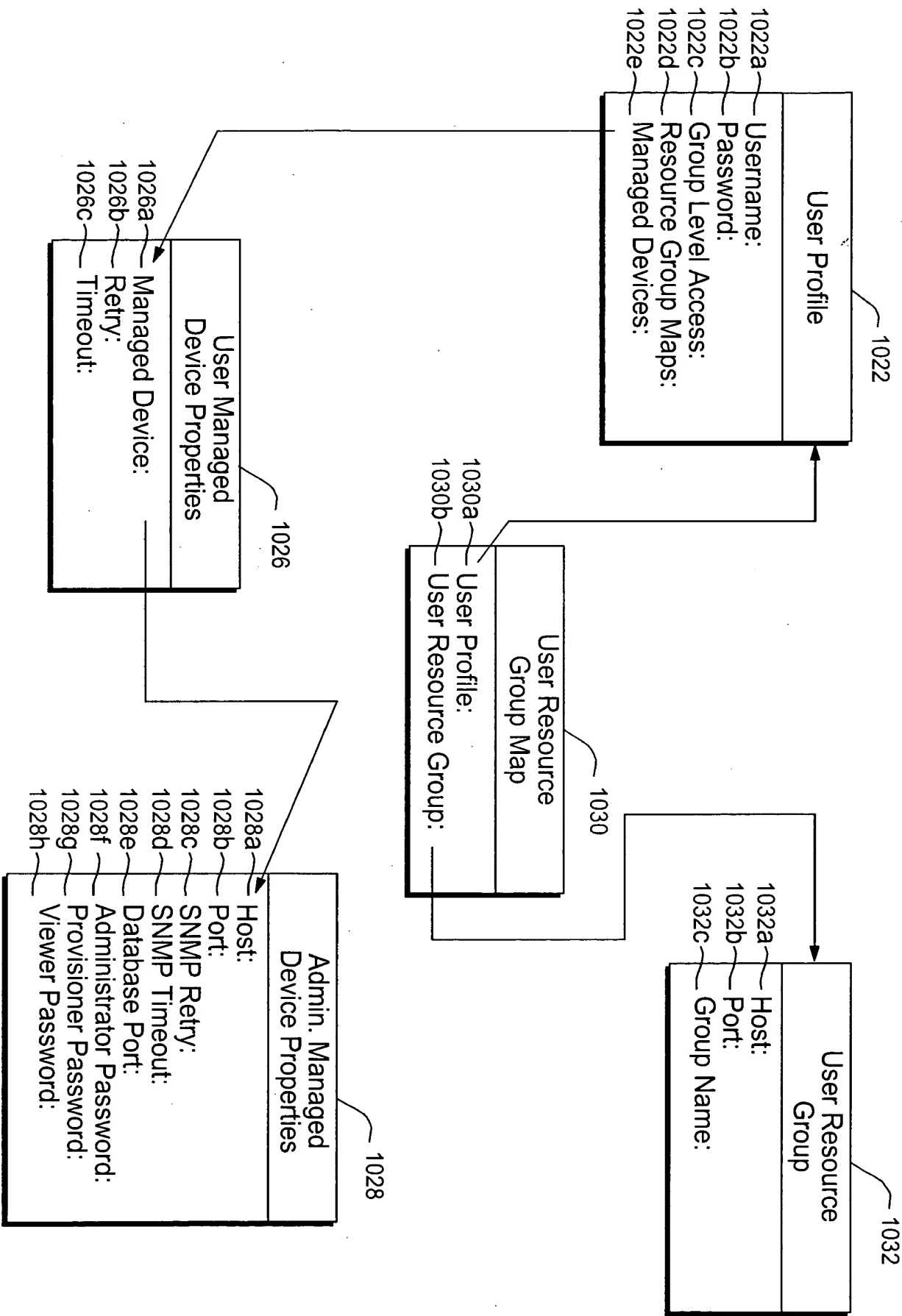


FIG. 11X

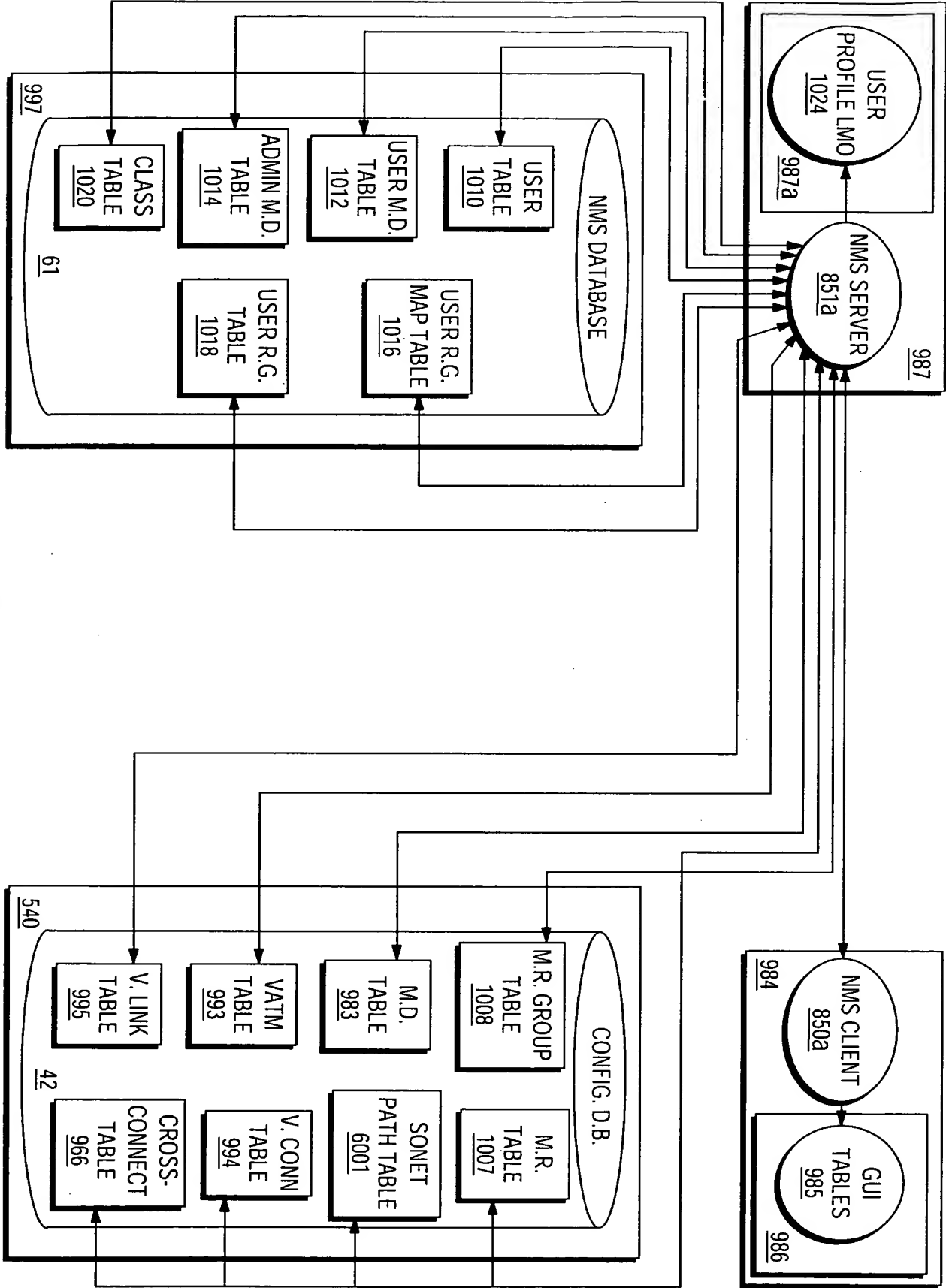


FIG. 11Y

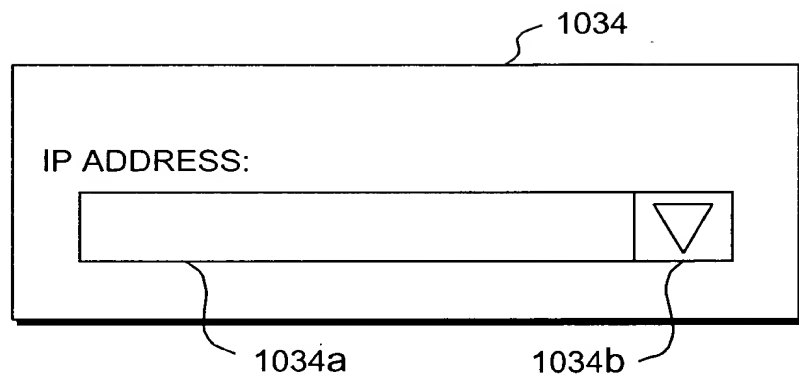
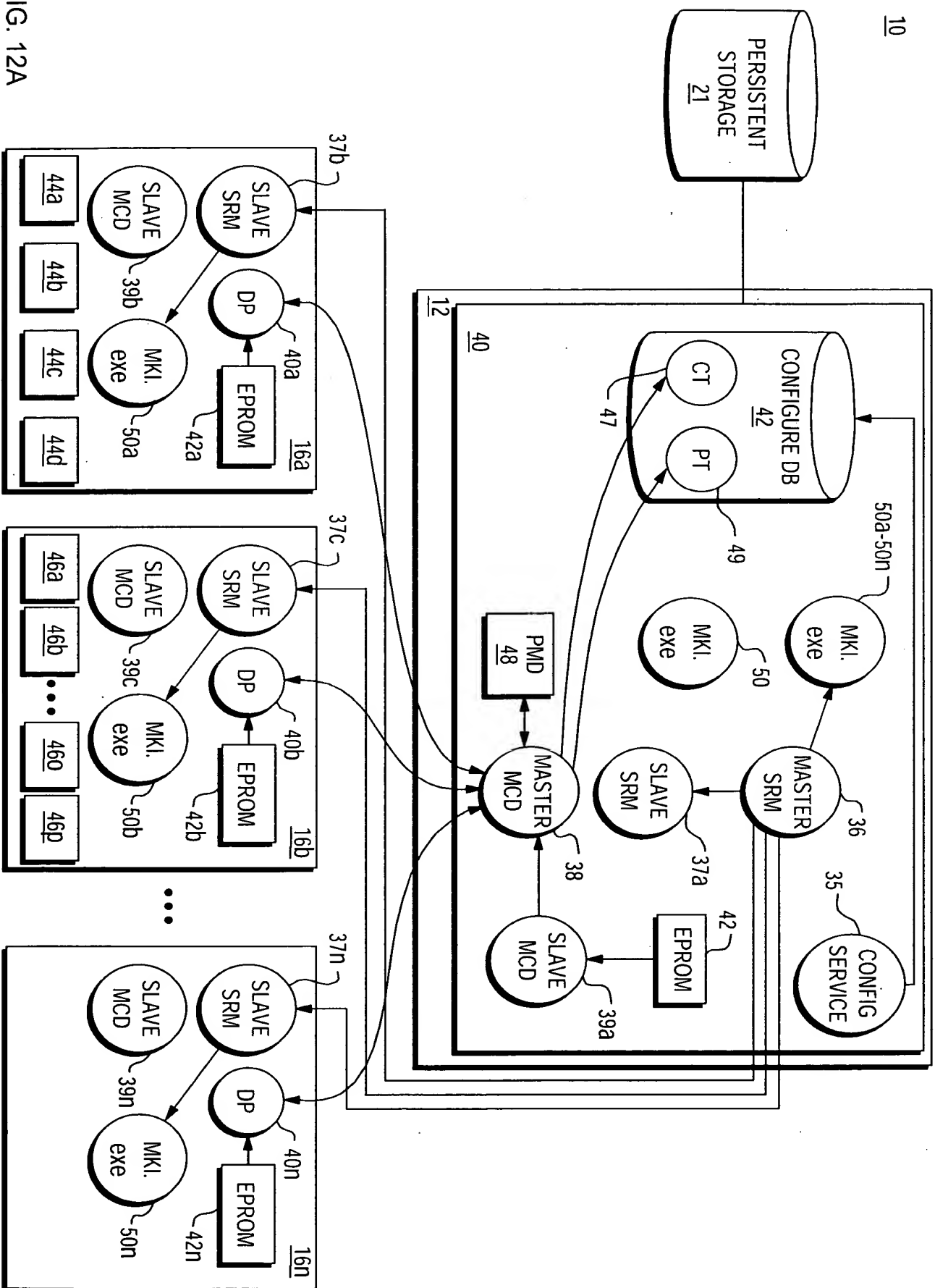


FIG. 11Z



CARD TABLE 47

	PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1	
16b	501	0XF002	4	2	
	⋮	⋮	⋮	⋮	⋮
16e	505	0X6002	1	5	
	⋮	⋮	⋮	⋮	⋮
16n	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12B

PORT TABLE 49

	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
46a	⋮	⋮	⋮	⋮	⋮
	1600	00620	1	8	
	⋮	⋮	⋮	⋮	⋮

FIG. 12C

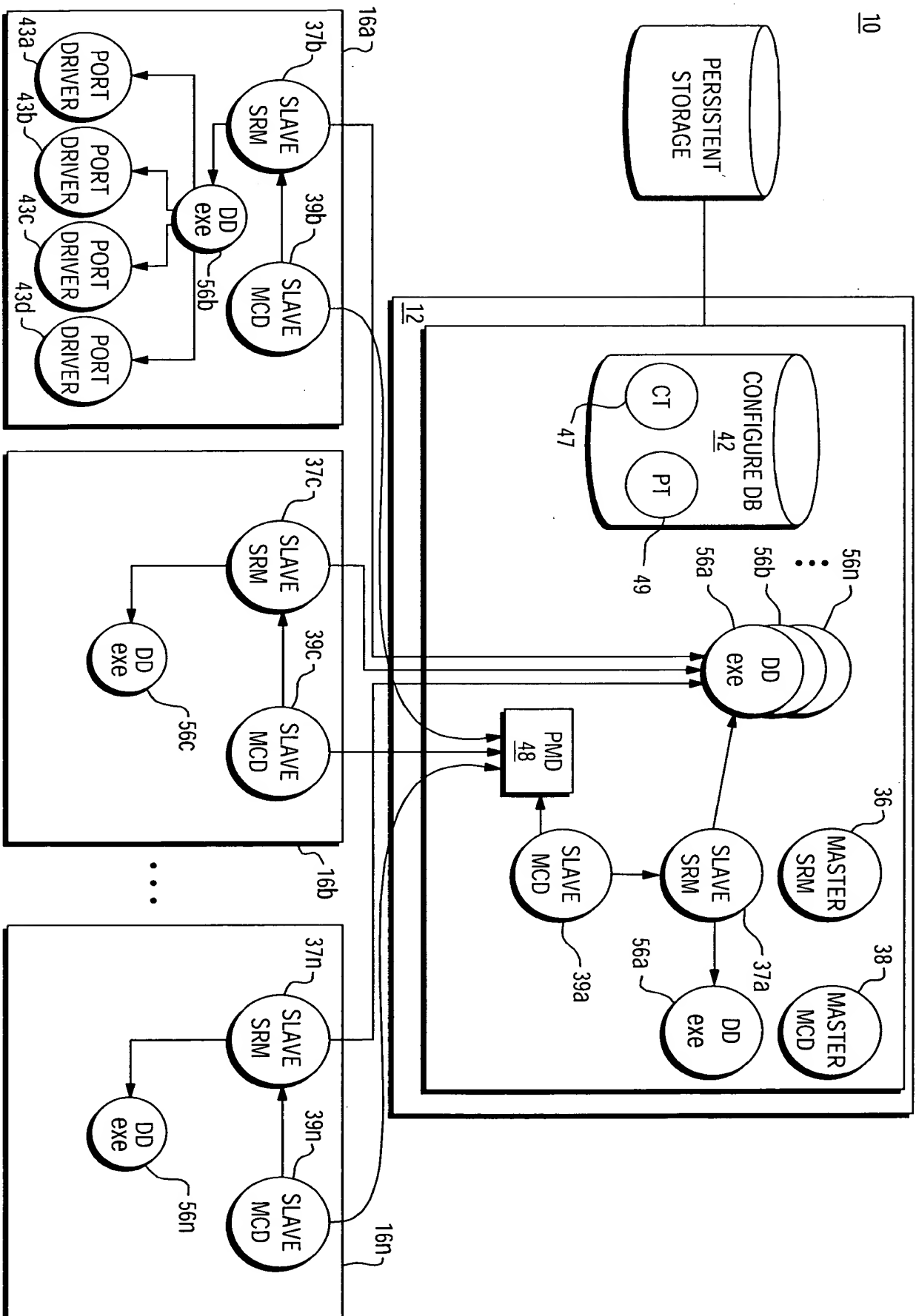


FIG. 13A

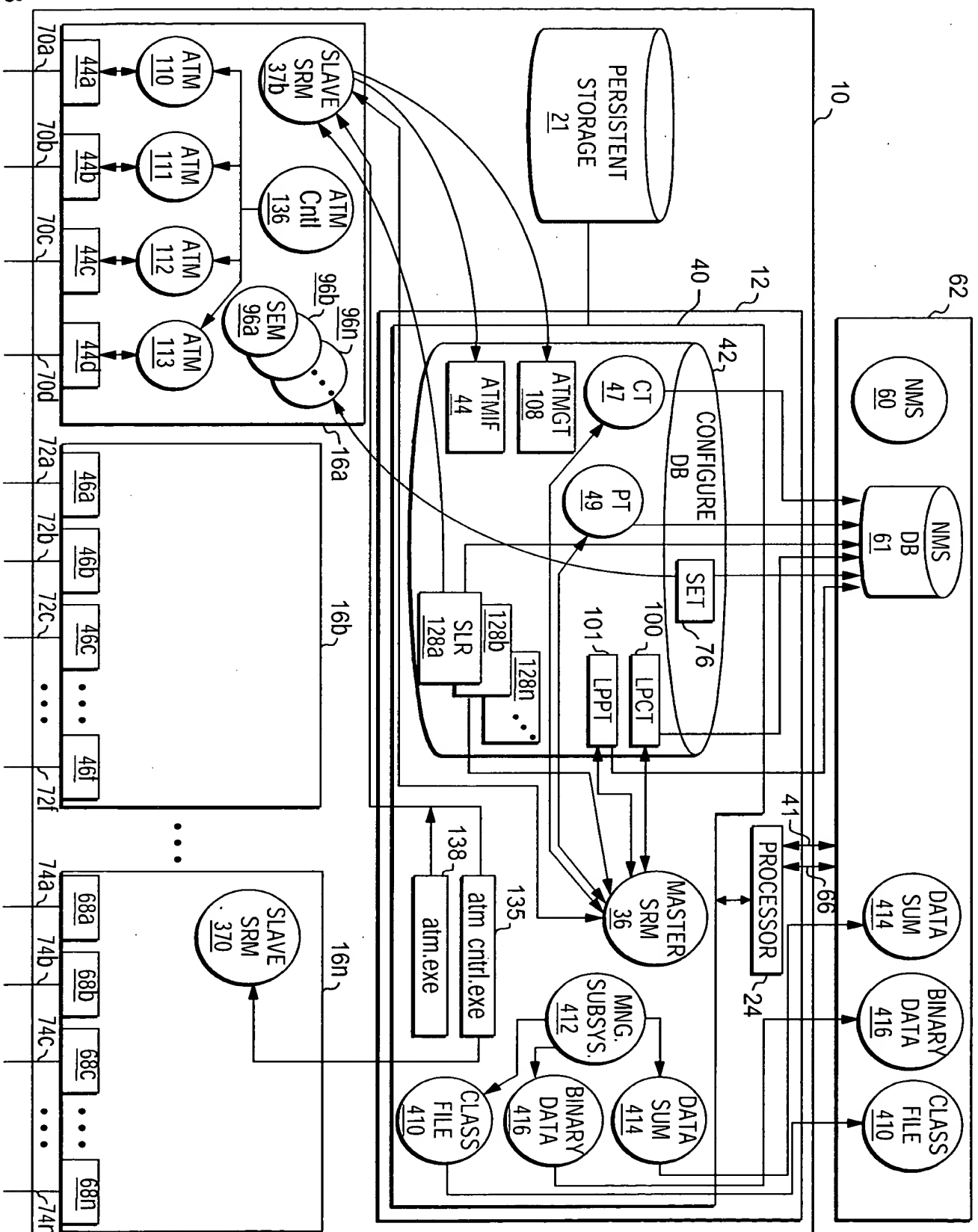


FIG. 13B

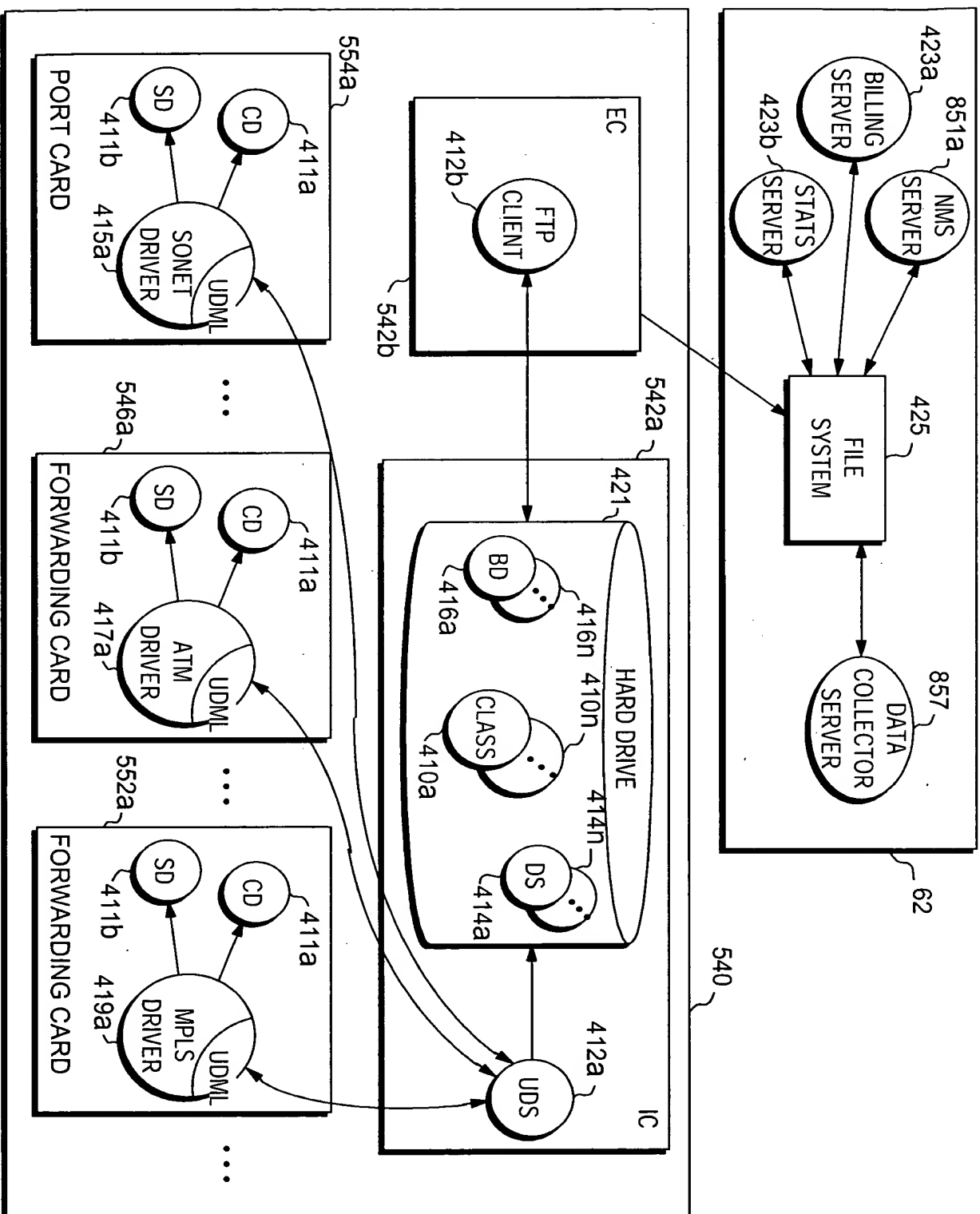


FIG. 13C

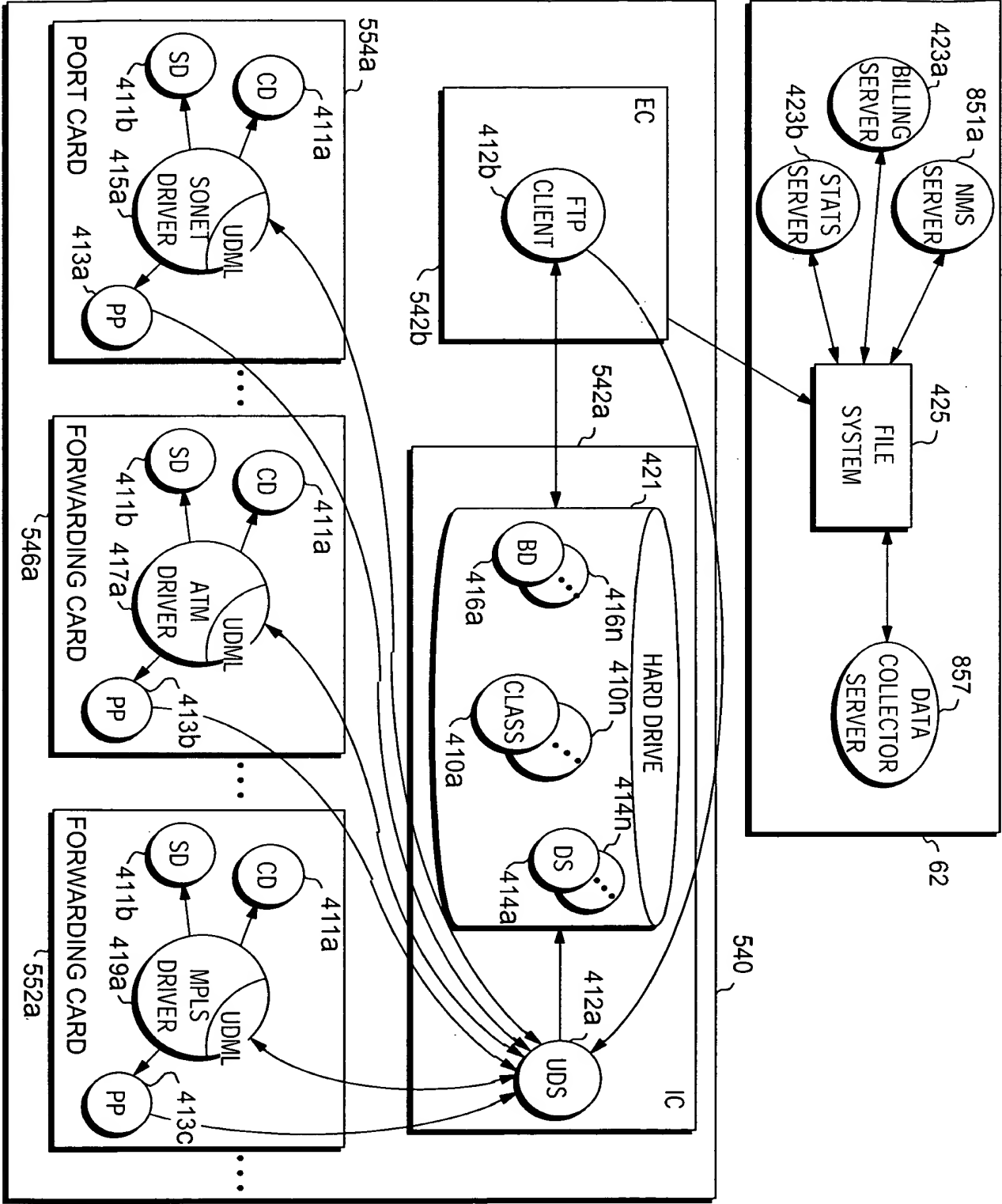


FIG. 13D

SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮
	⋮	⋮

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98 LID	102 PRIMARY PID	104 BACK-UP PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮
	⋮	⋮	⋮
	⋮	⋮	⋮

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98 LID	102 PRIMARY PID	104 BACK-UP PID
107	40	1500	1600
	⋮	⋮	⋮
	⋮	⋮	⋮
	⋮	⋮	⋮

FIG. 14C

ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

FIG. 14E

SOFTWARE LOAD RECORD 128a

130	CONTROL SHIM	LID	132
134	atm-cntl.exe	30	

FIG. 14F

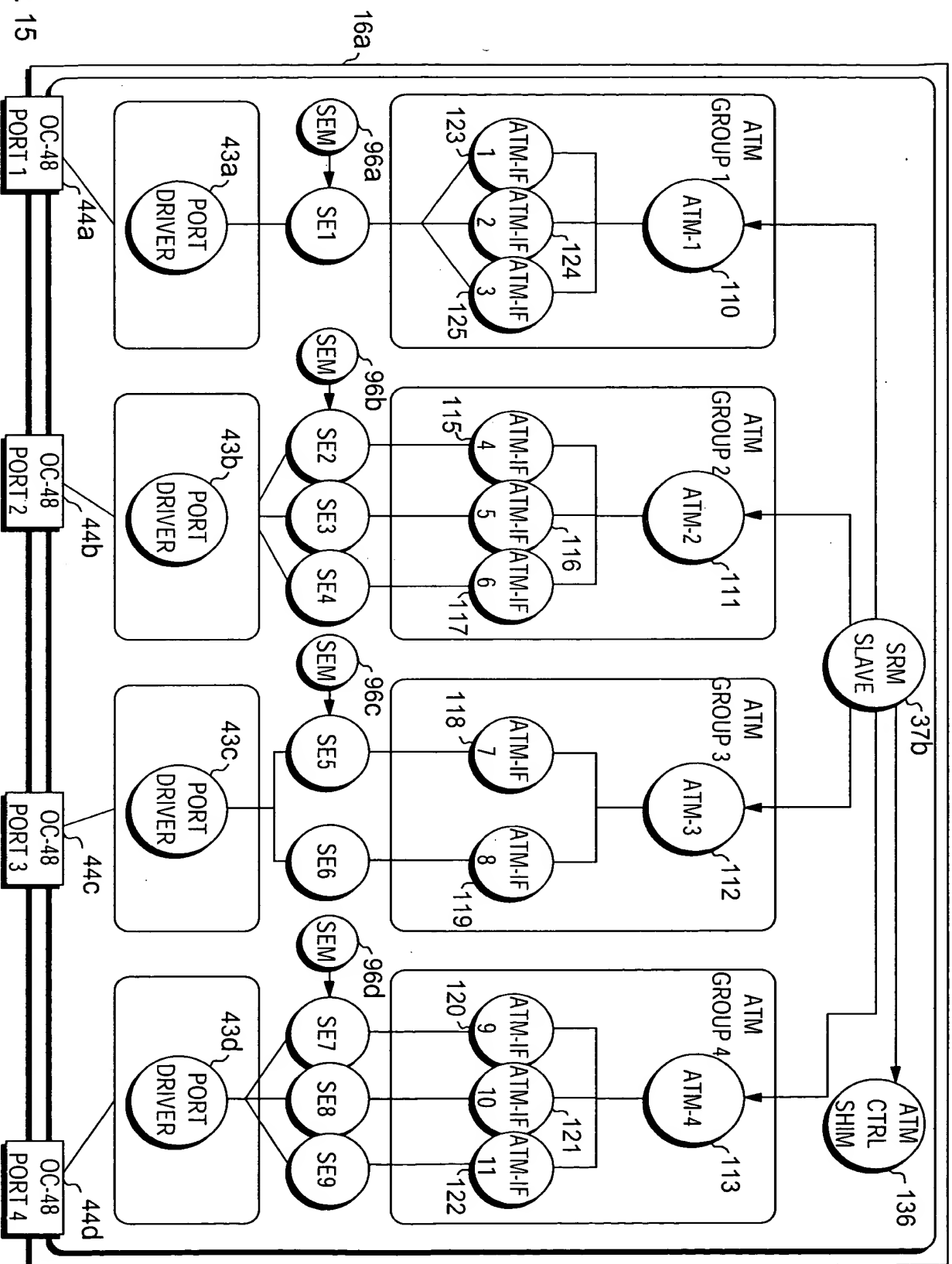


FIG. 15

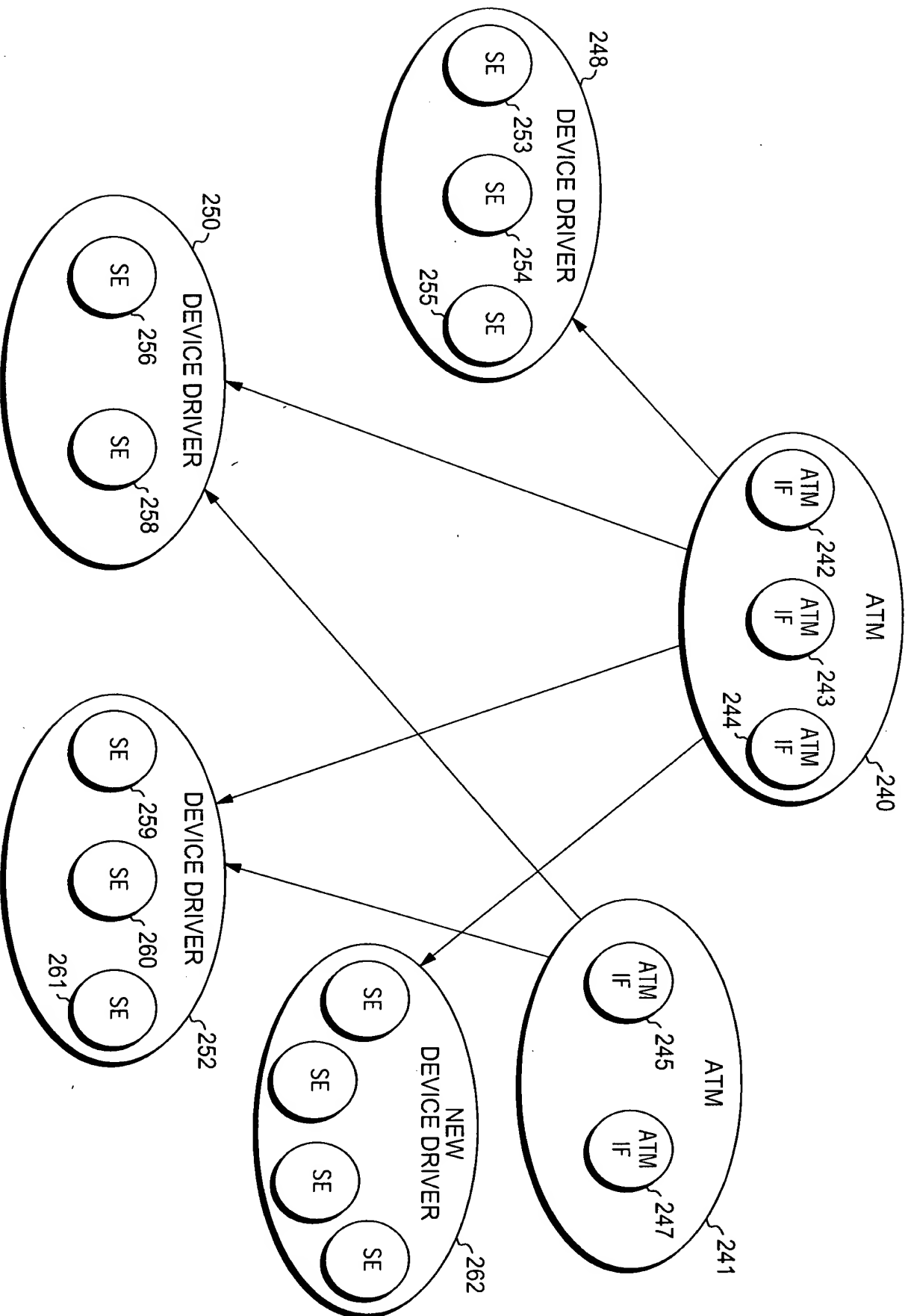


FIG. 16A

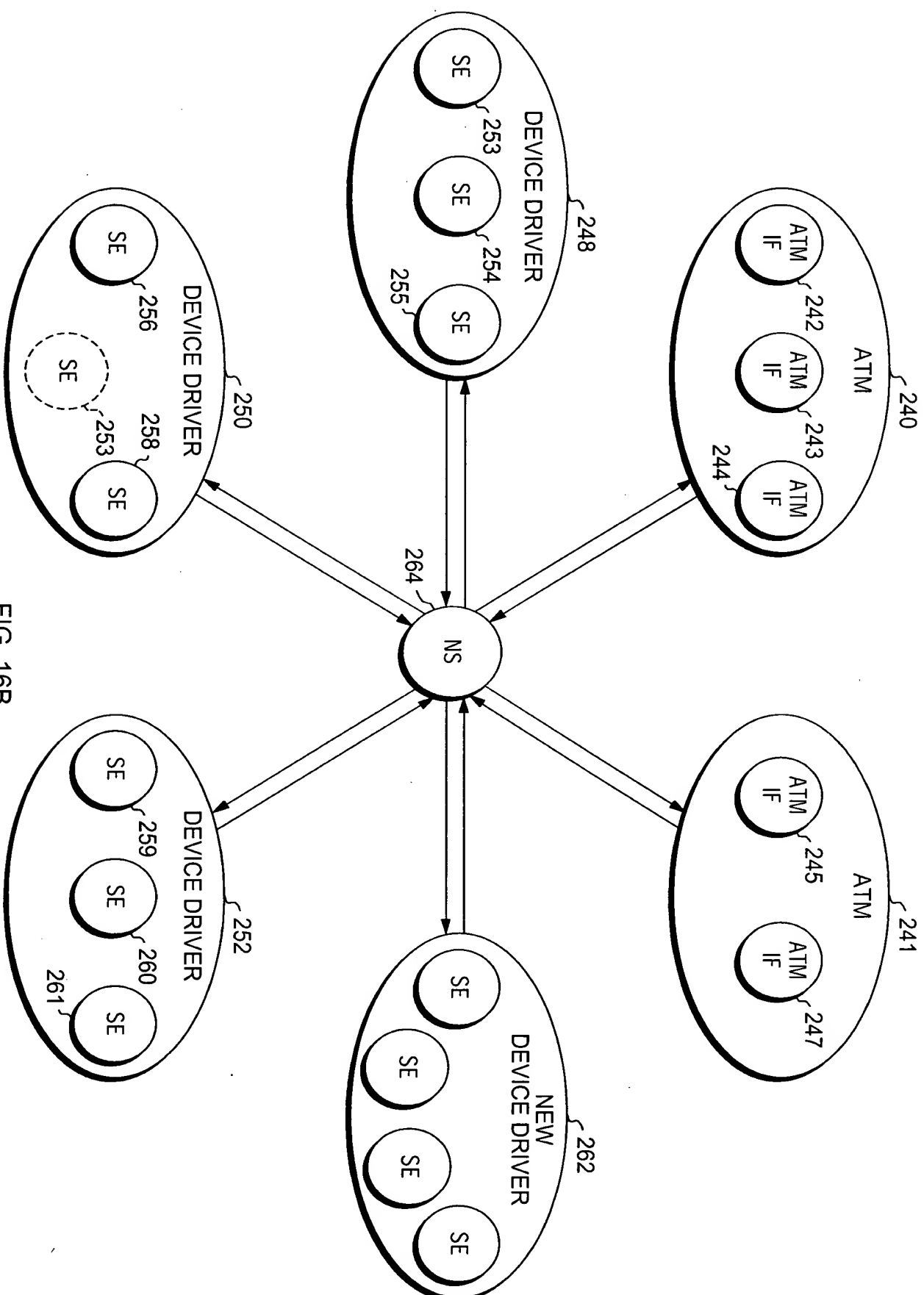


FIG. 16B

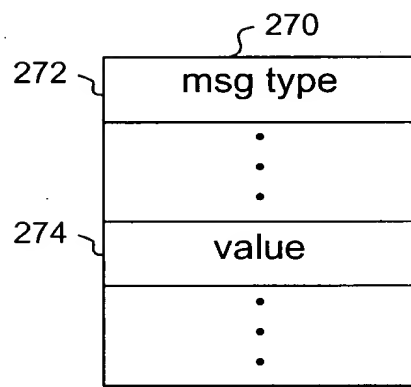


FIG. 16D

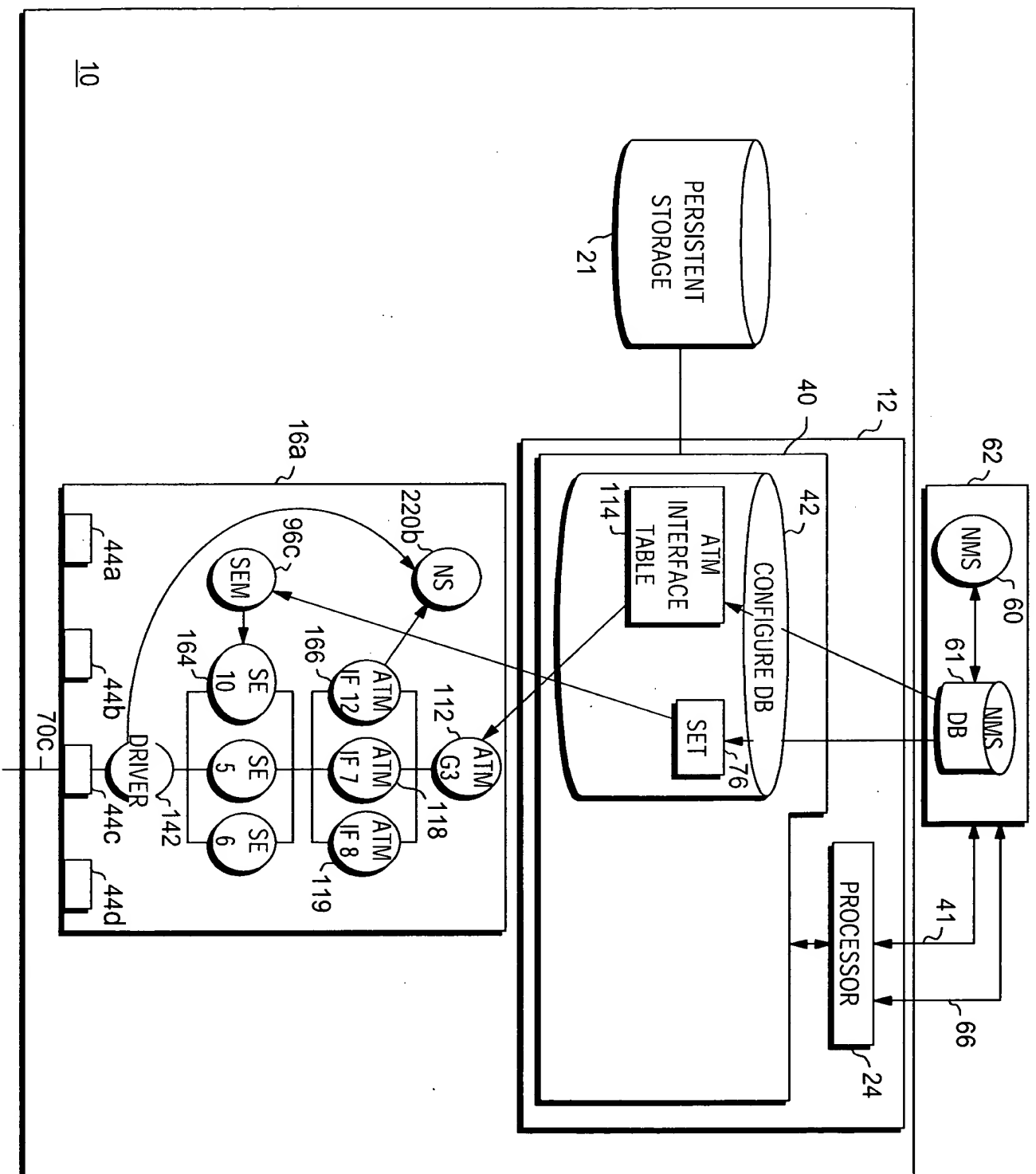


FIG. 17

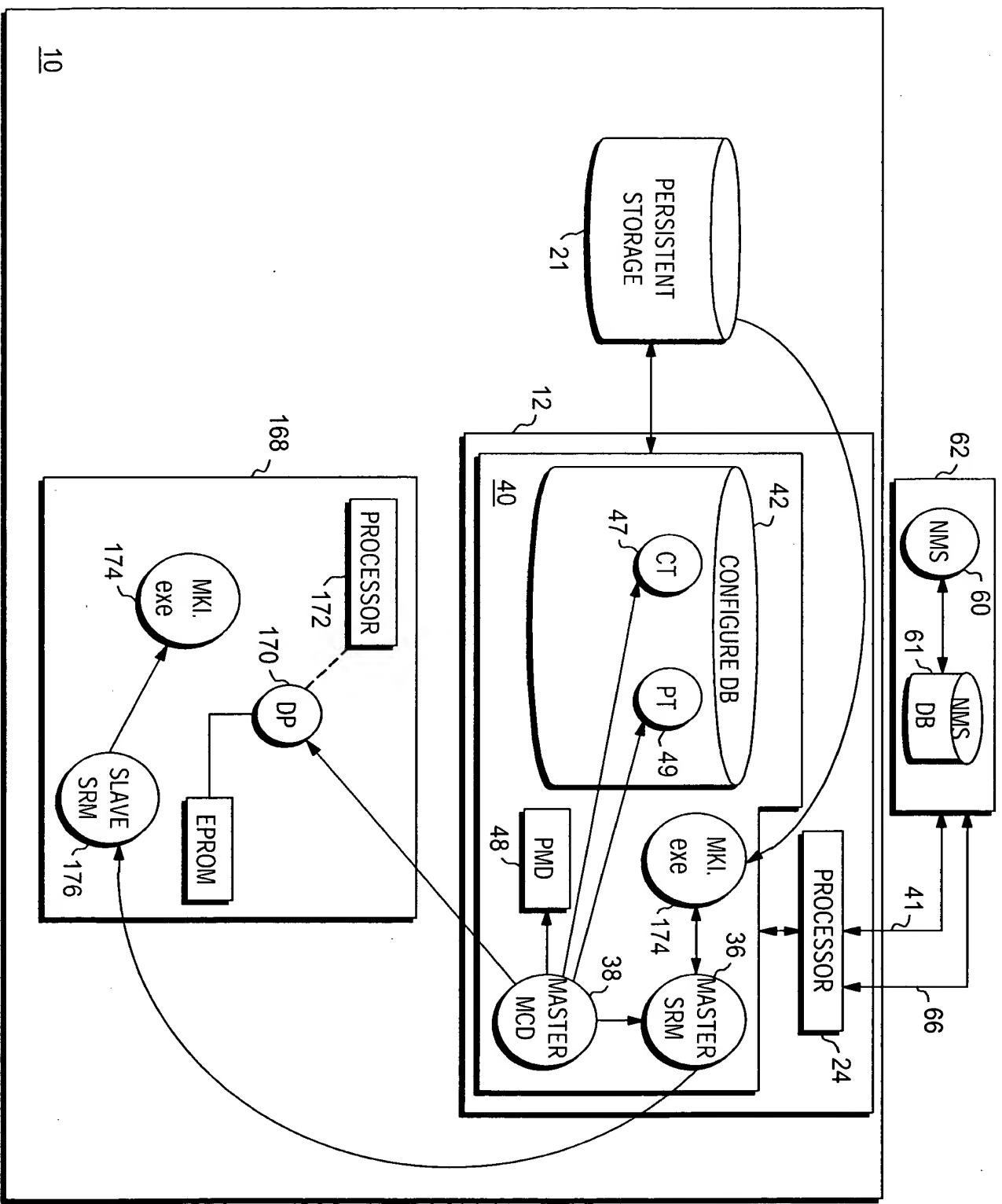


FIG. 18

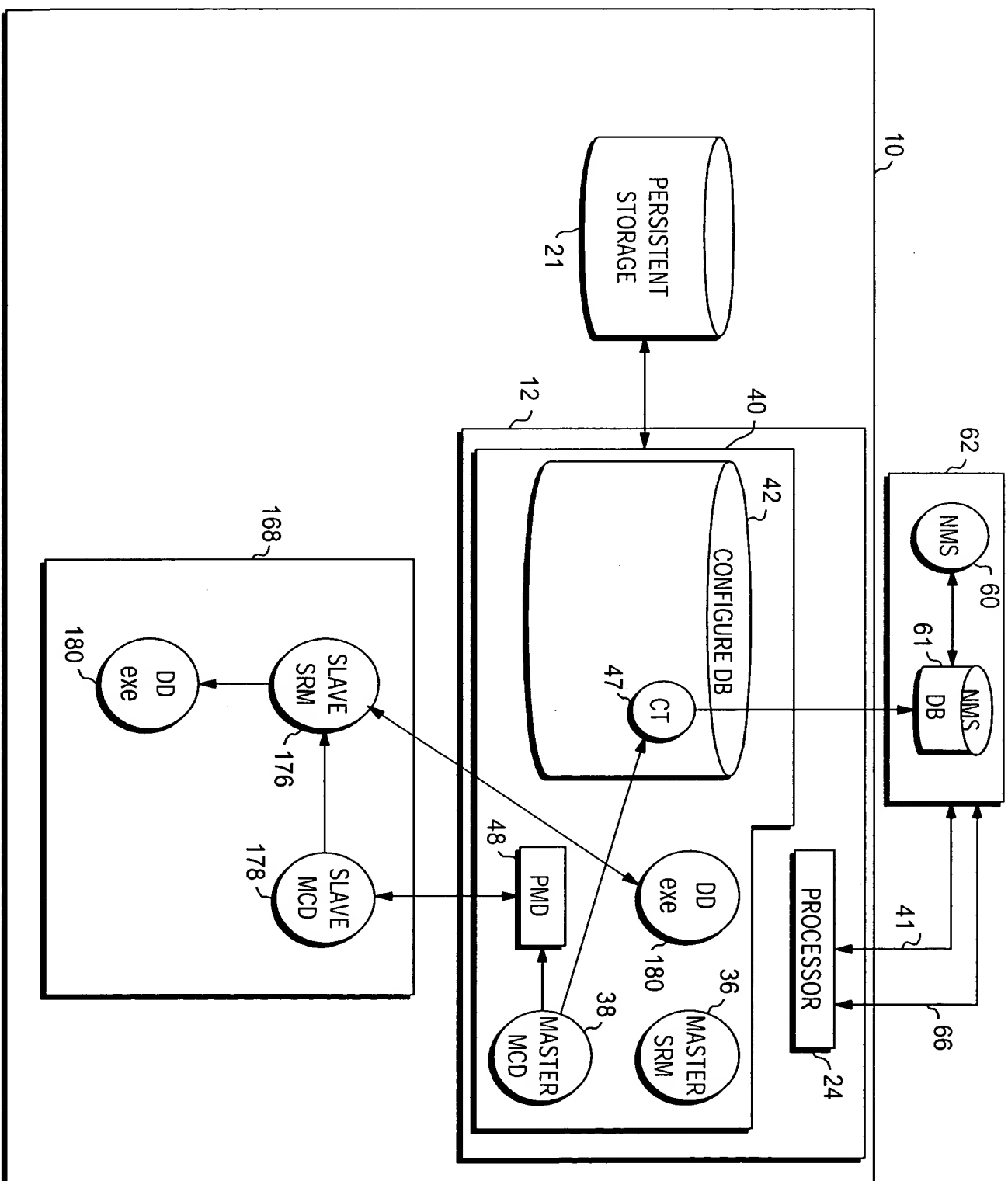


FIG. 19

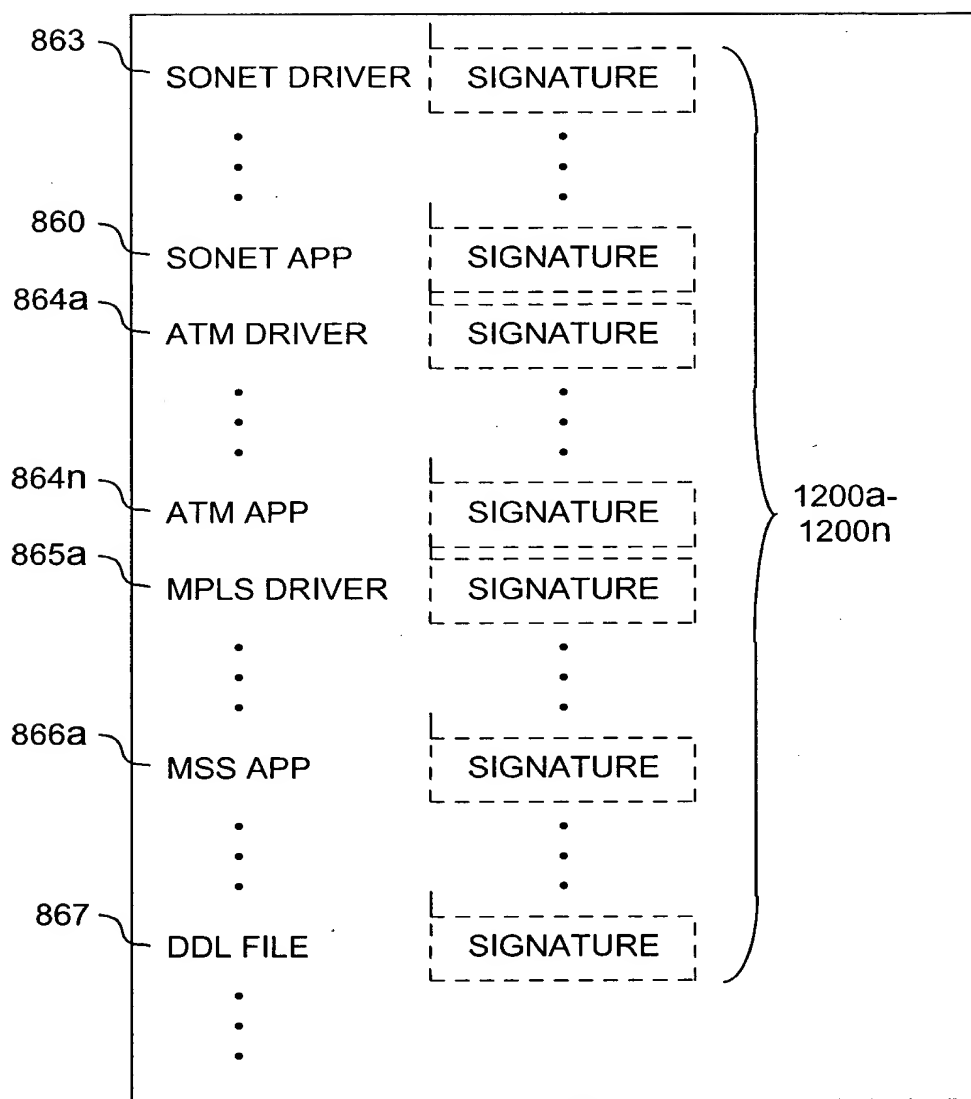
PACKAGING LIST 1200

FIG. 20A

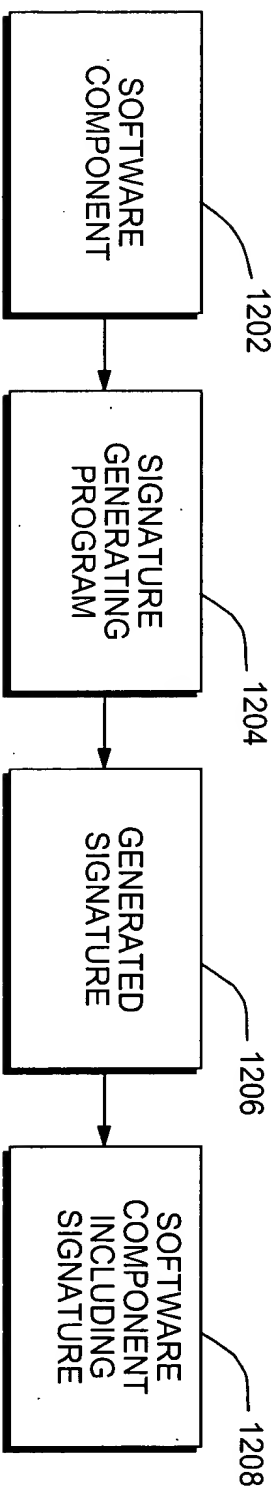


FIG. 20B

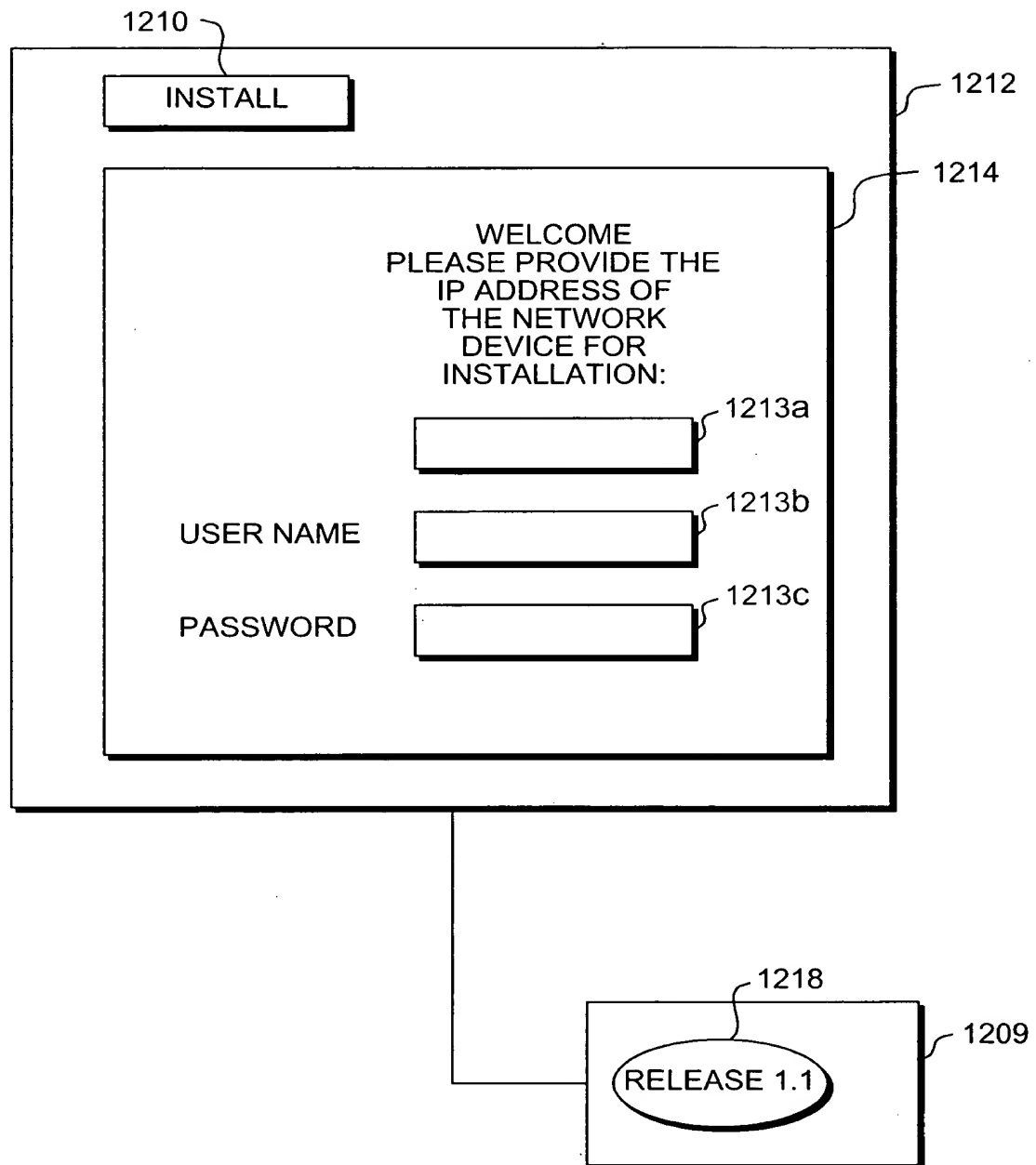


FIG. 20C

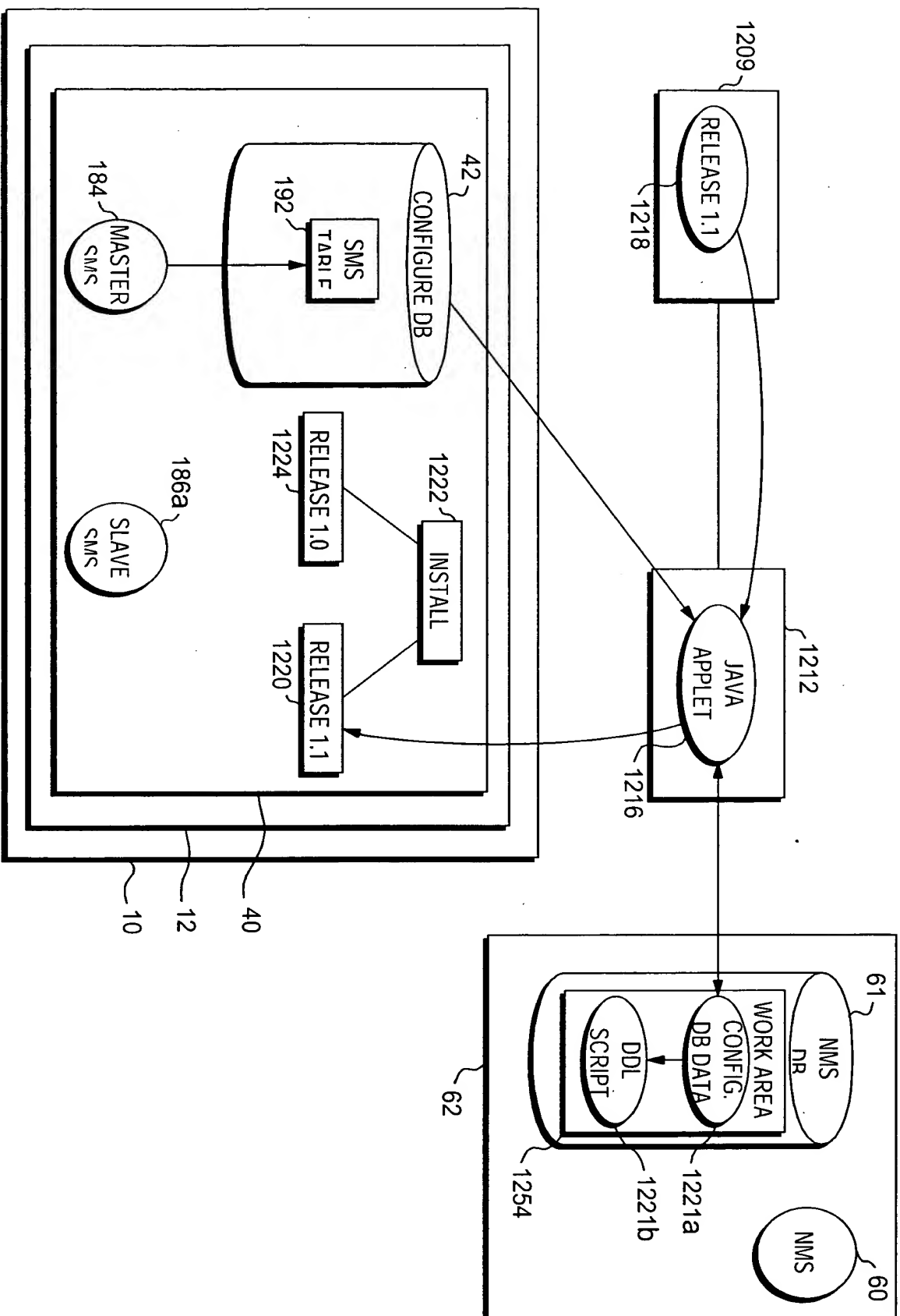


FIG. 20D

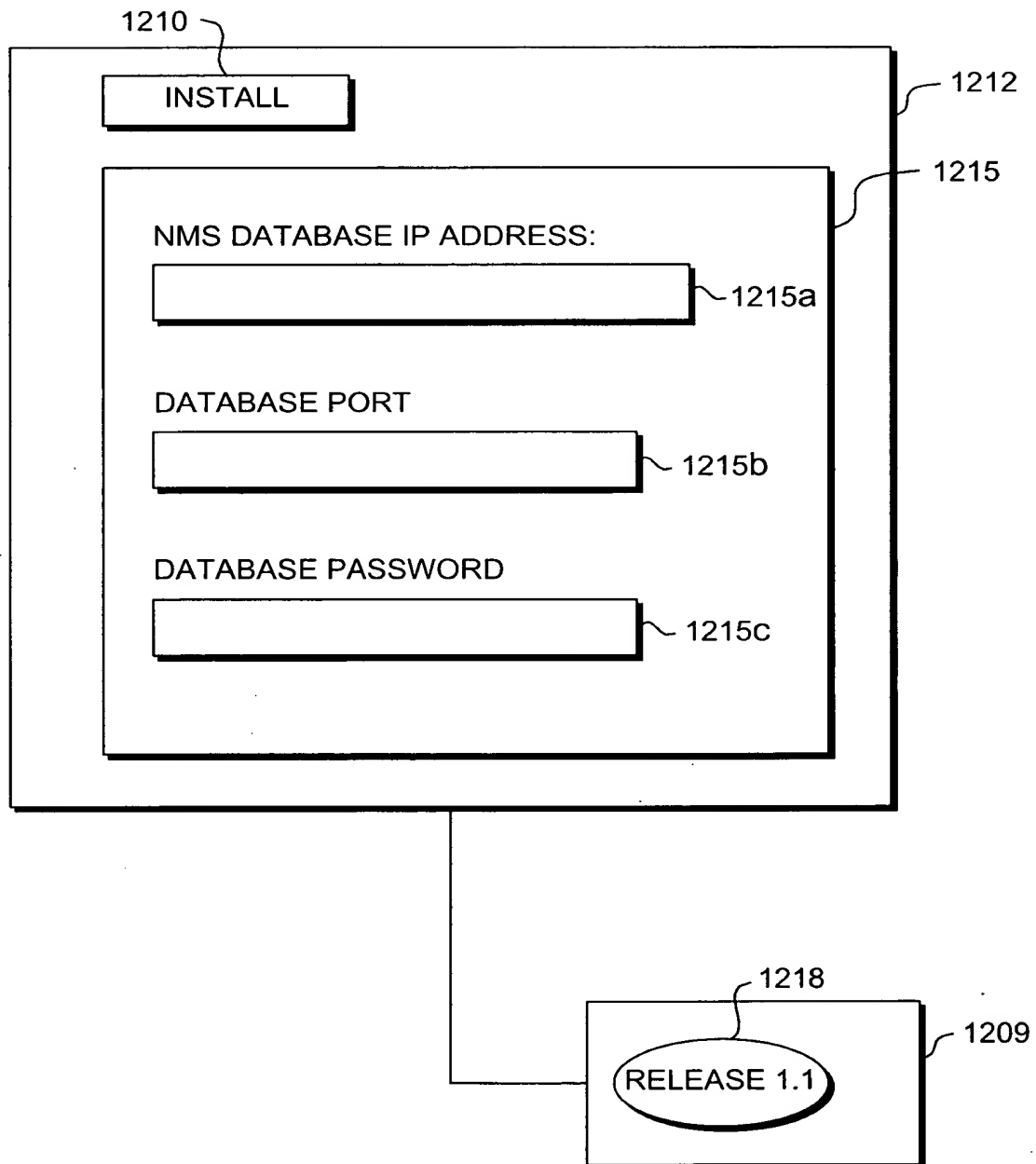


FIG. 20E

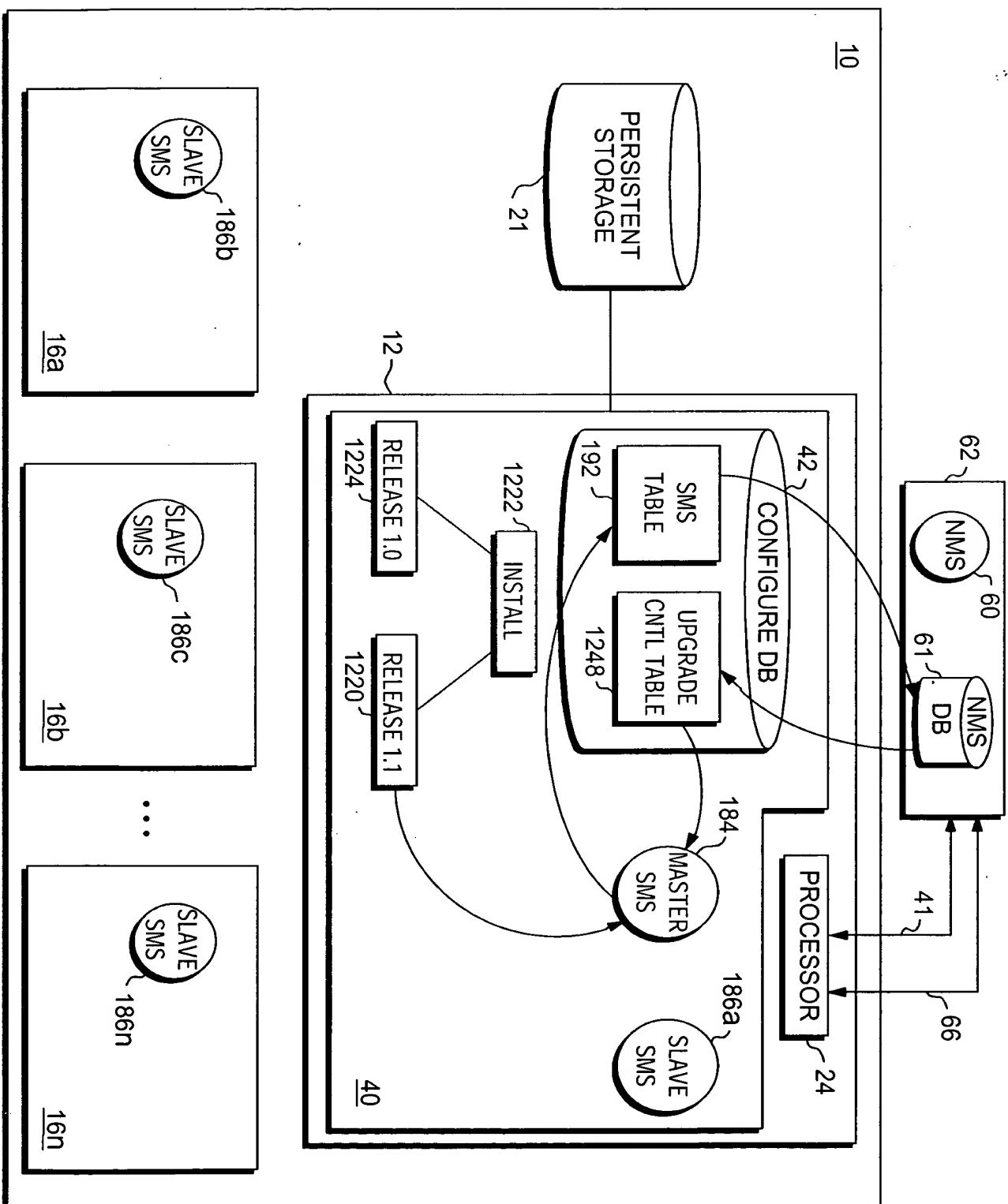
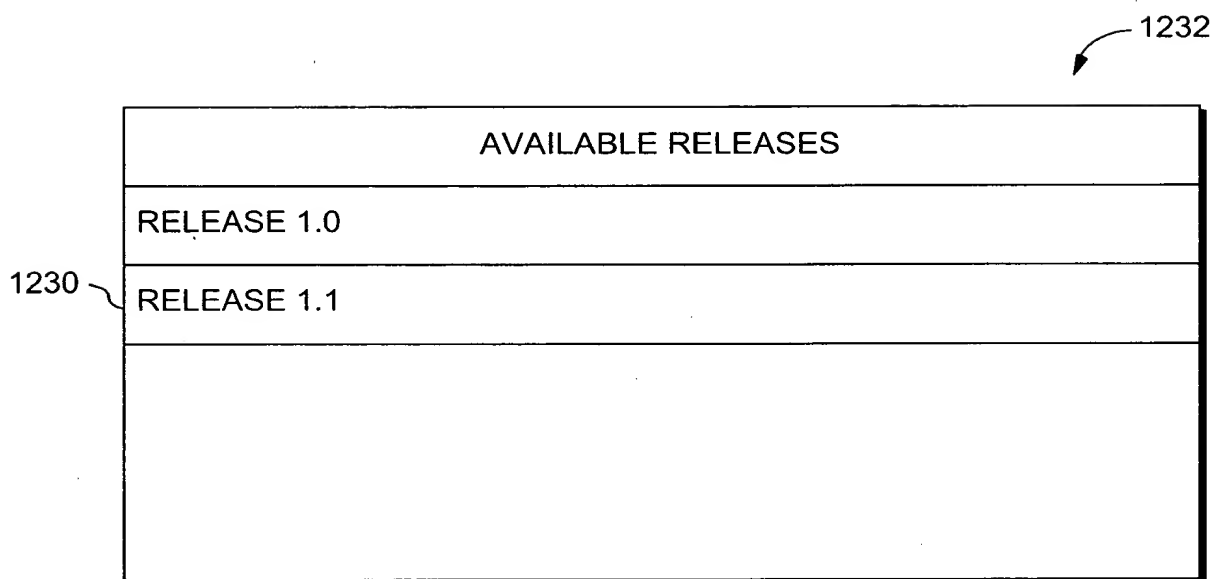


FIG. 21A

SMS TABLE 192

1227	1226		1228	1230
	IMAGE LID	VERIFICATION STATUS	UPGRADE MODES	...
	9623	PASSED	x2348	...
	⋮	⋮	⋮	⋮

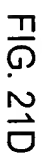
FIG. 21B



The diagram shows a table with four rows. The first row is a header labeled 'AVAILABLE RELEASES'. The second row is labeled 'RELEASE 1.0'. The third row is labeled 'RELEASE 1.1'. The fourth row is empty. A bracket on the left side of the table, spanning the second, third, and fourth rows, is labeled '1230'. An arrow on the right side of the table, pointing to the top-right corner, is labeled '1232'.

AVAILABLE RELEASES	
RELEASE 1.0	
RELEASE 1.1	

FIG. 21C



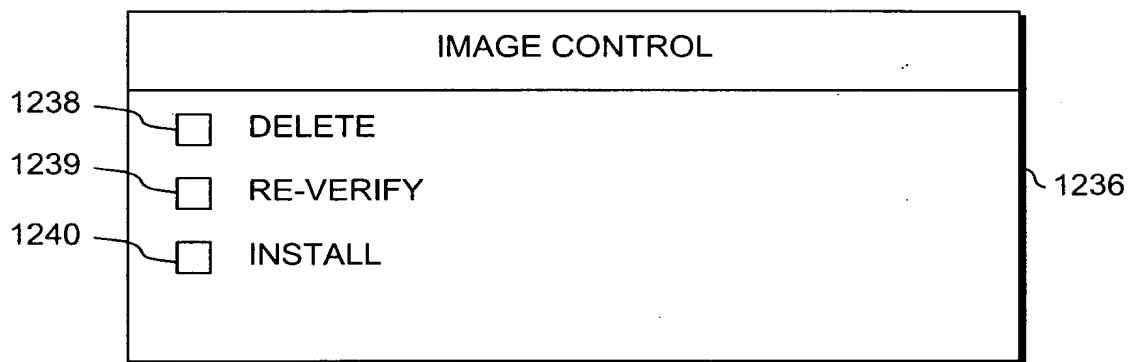


FIG. 21E

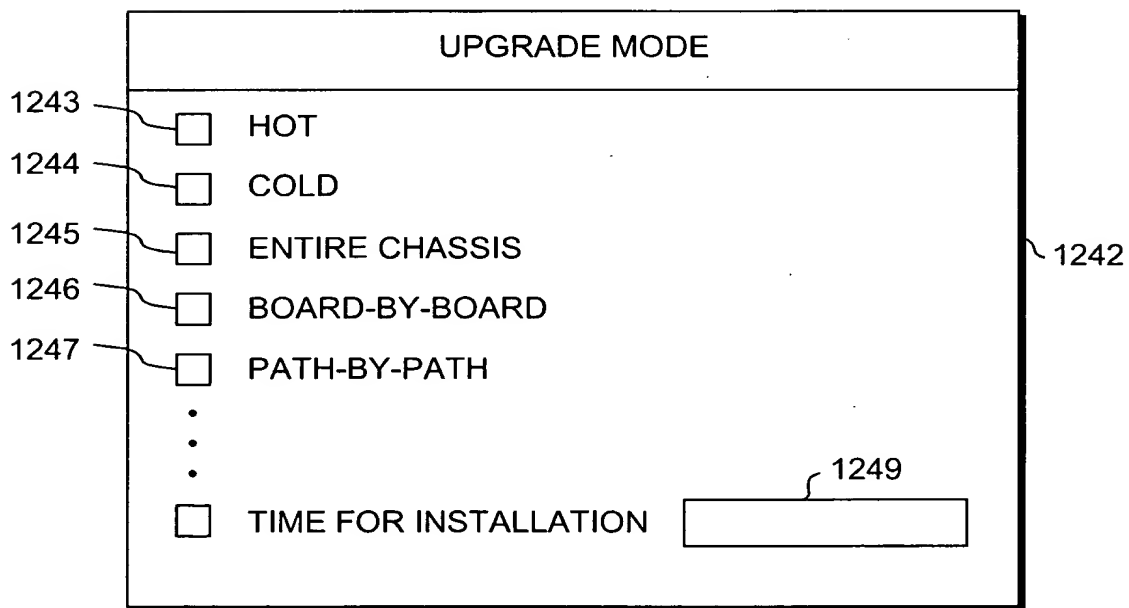


FIG. 21F

UPGRADE CONTROL TABLE 1248

		1252	1253	1255	
1250	IMAGE LID	COMMAND	TIME FOR INSTALLATION	STATUS	...
1251	9623	x2344			...
	⋮	⋮	⋮	⋮	⋮

FIG. 21G

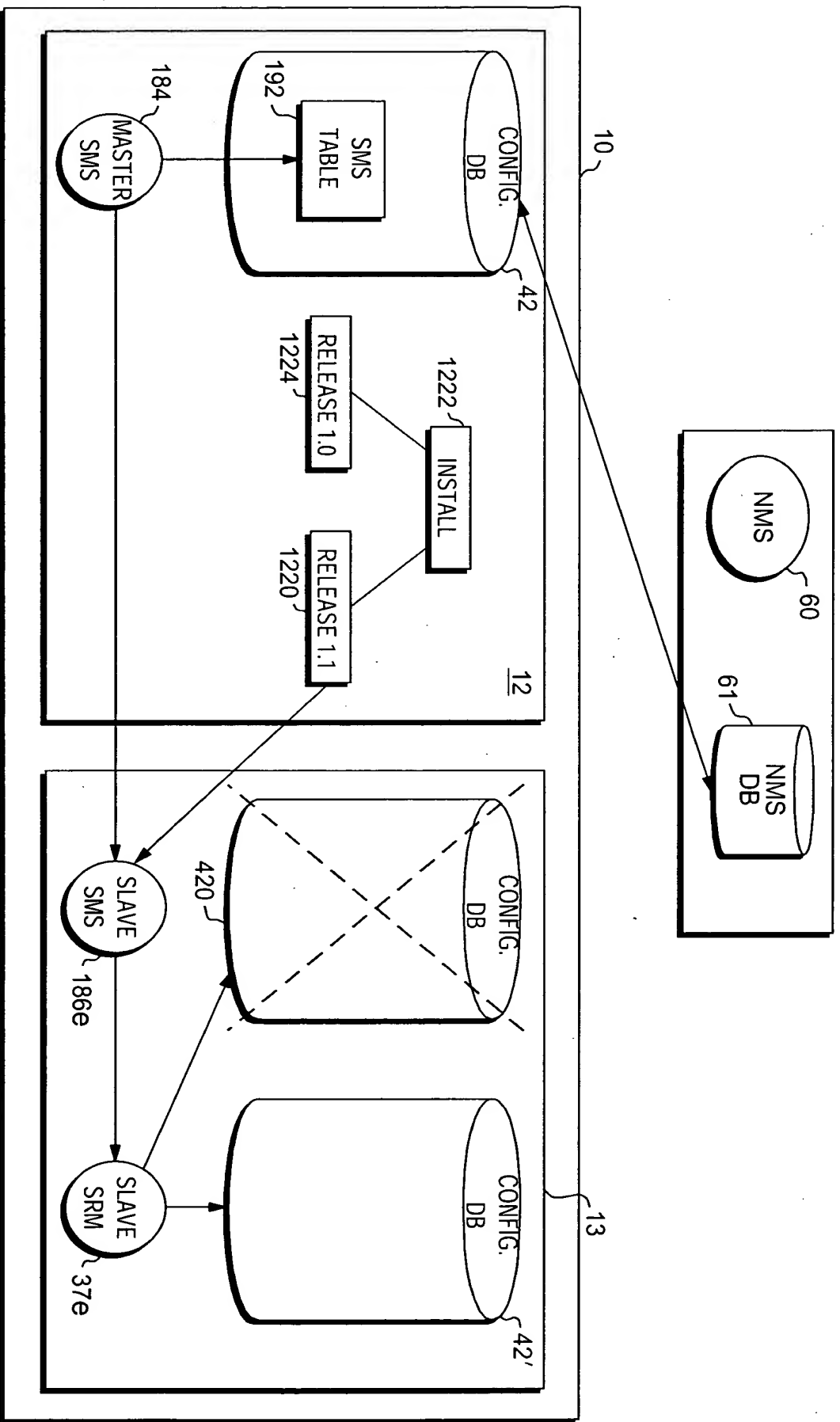


FIG. 22

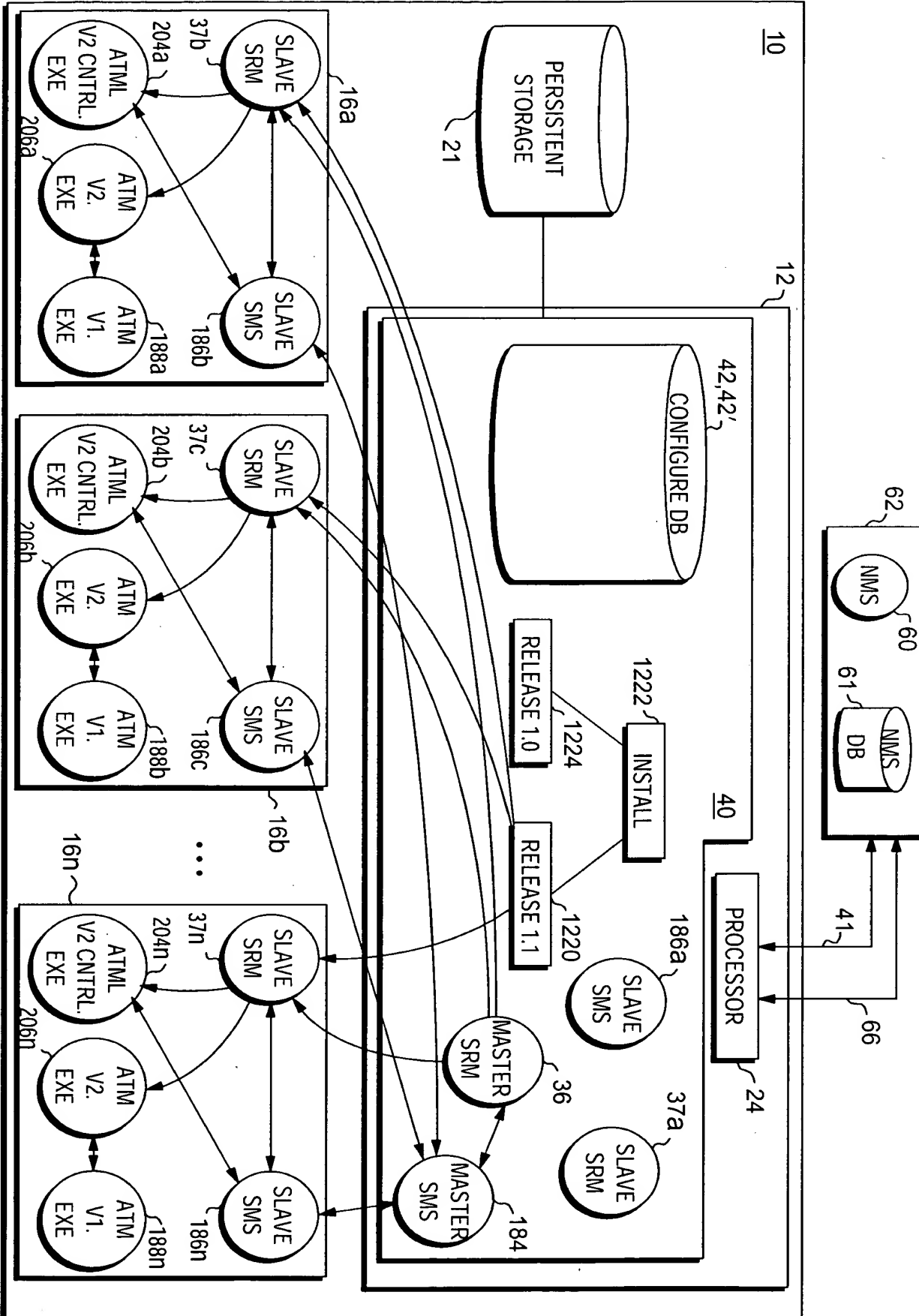


FIG. 23

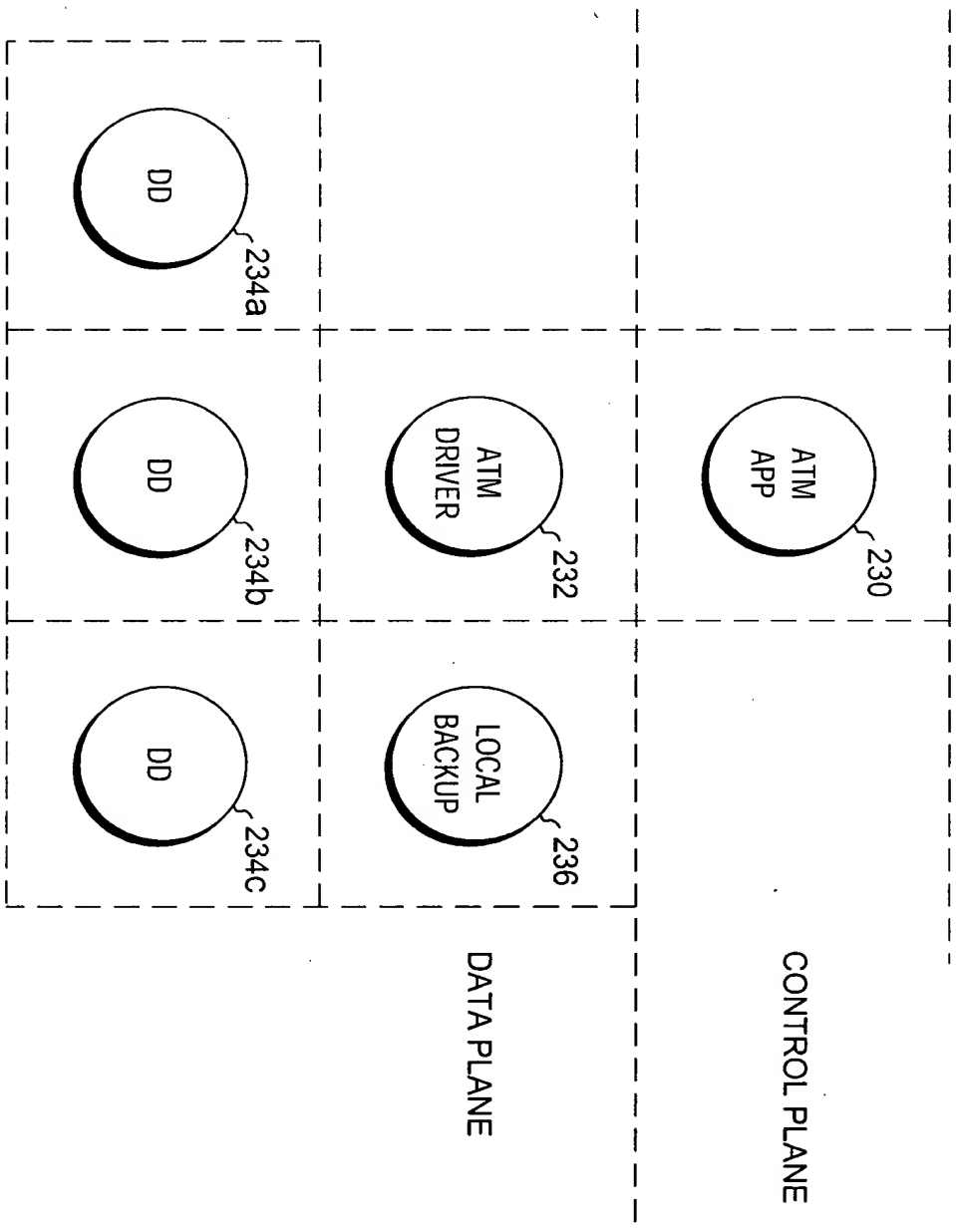


FIG. 24

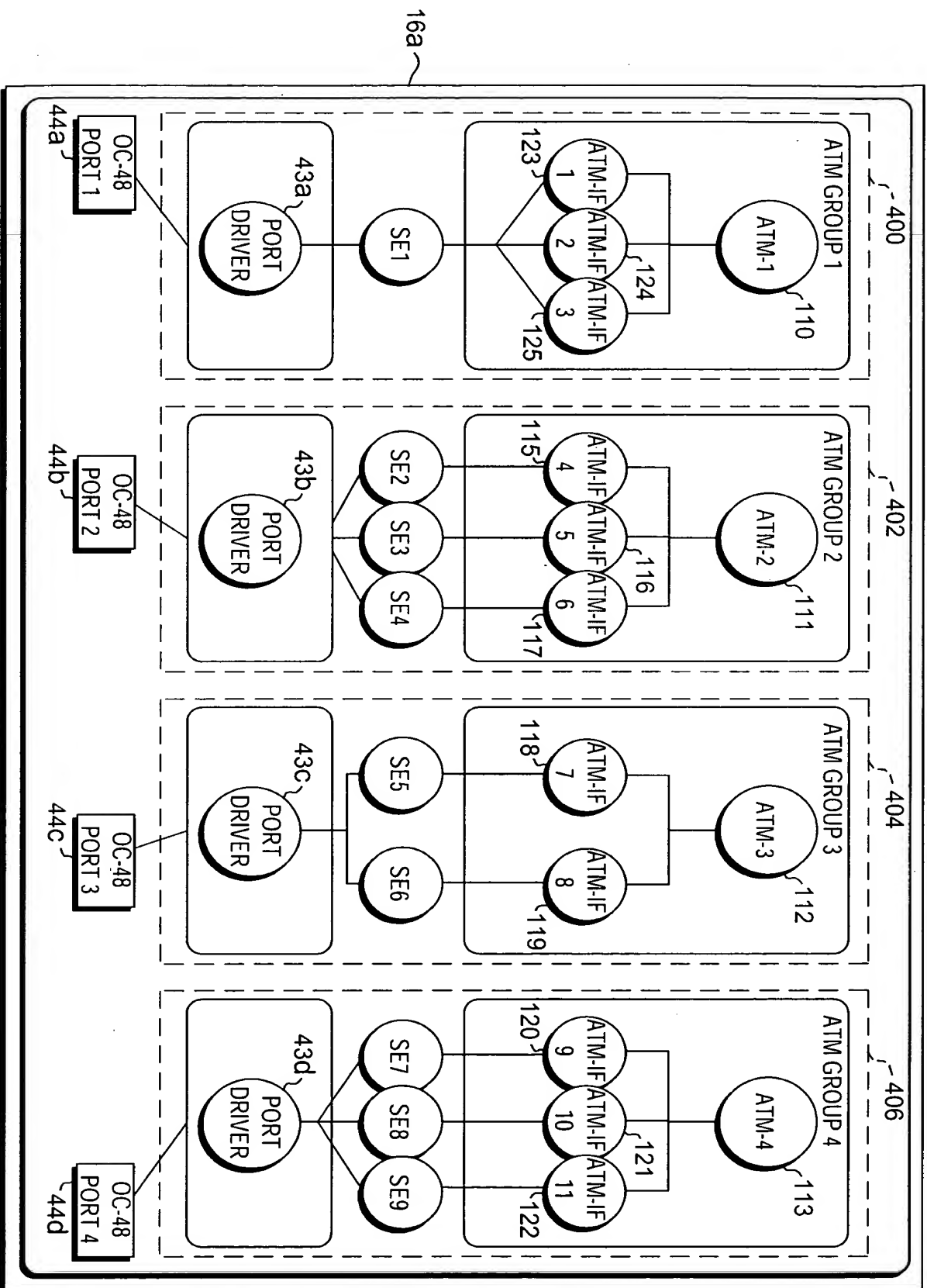


FIG. 25

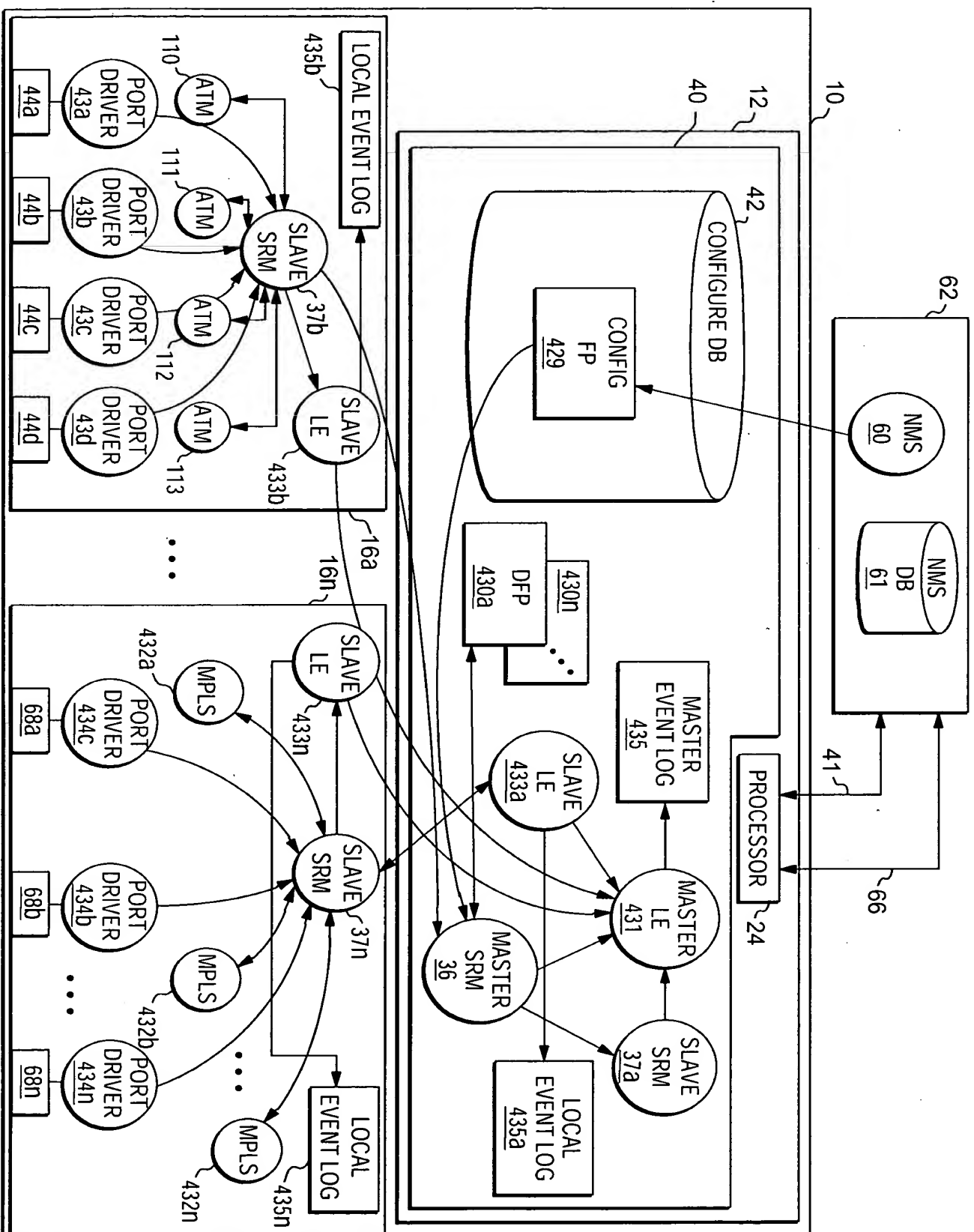


FIG. 26

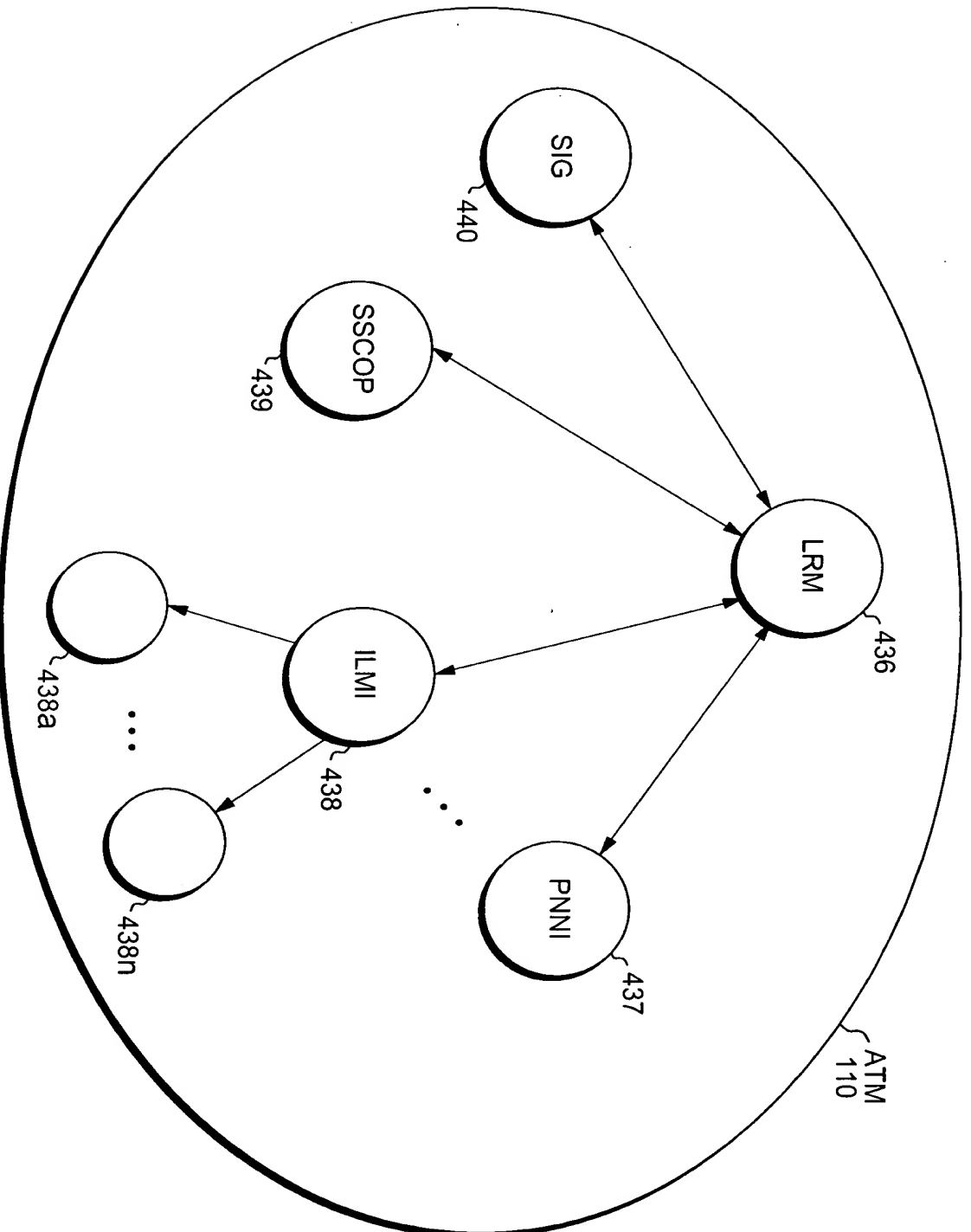


FIG. 27

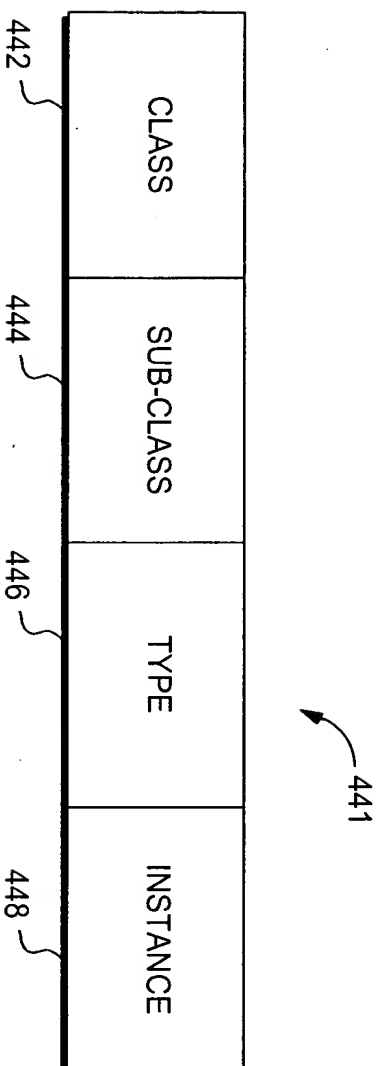


FIG. 28

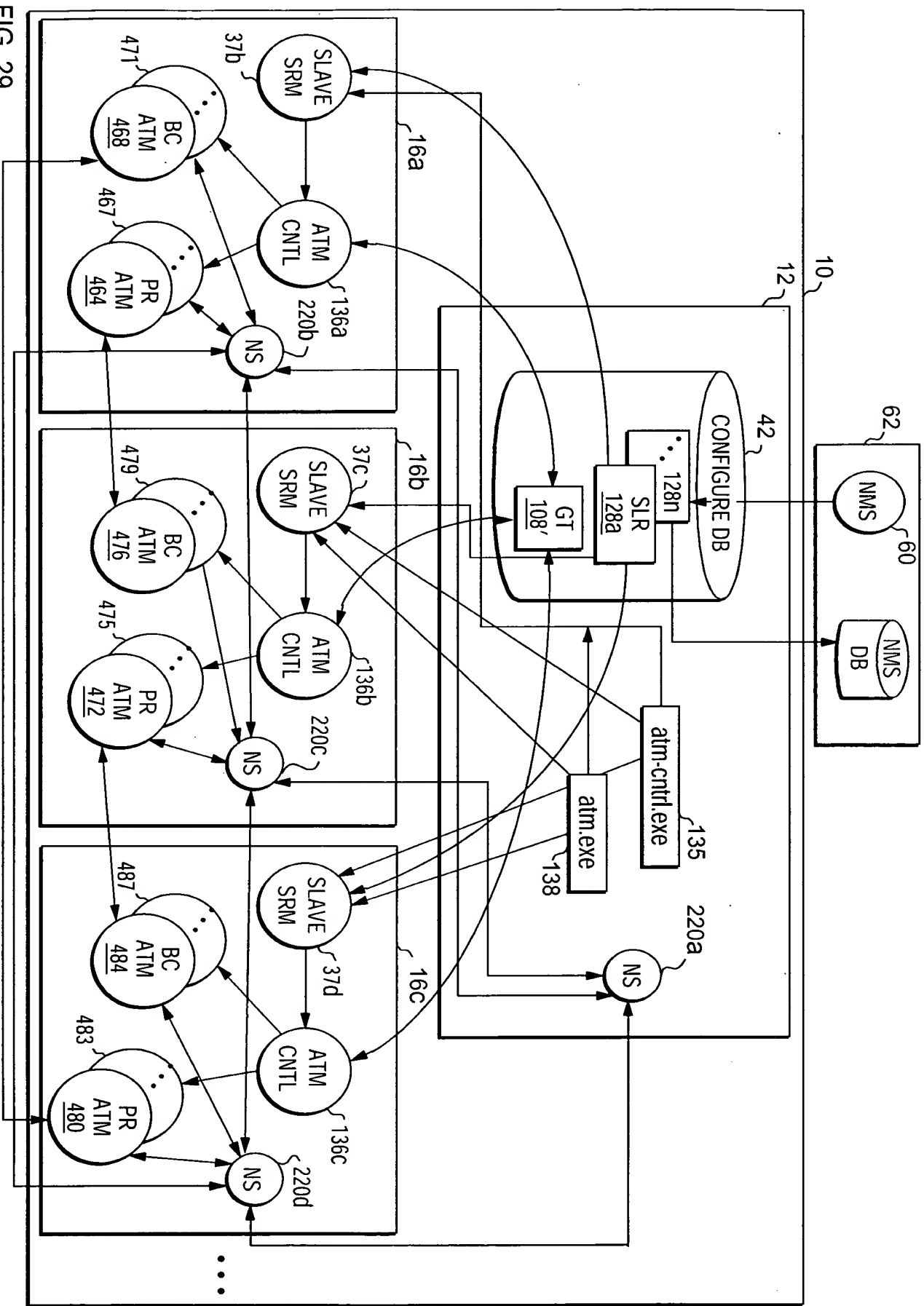


FIG. 29

GROUP TABLE 108'

		447	449	
	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	• • •	• • •	• • •	• • •

FIG. 30

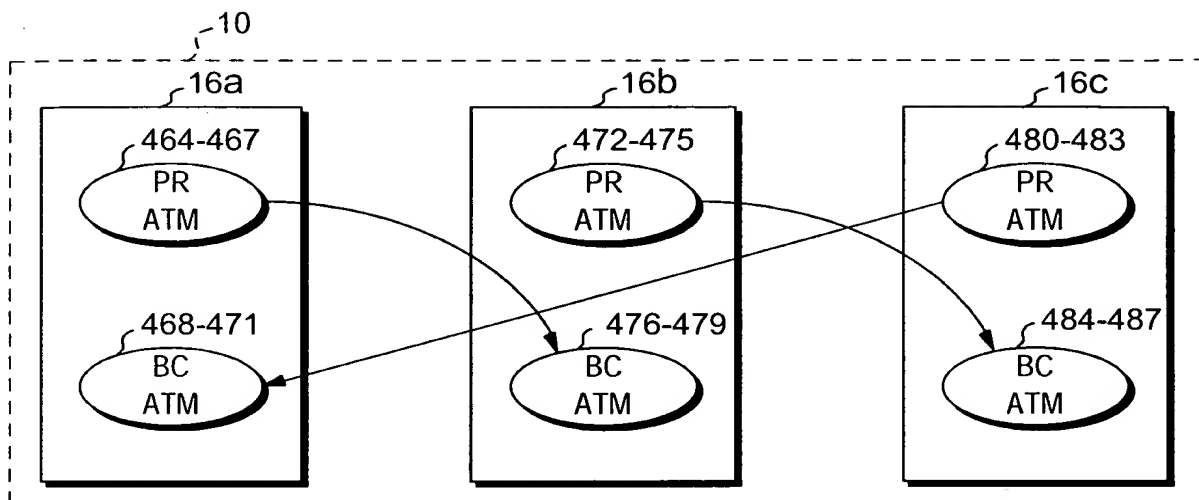


FIG. 31A

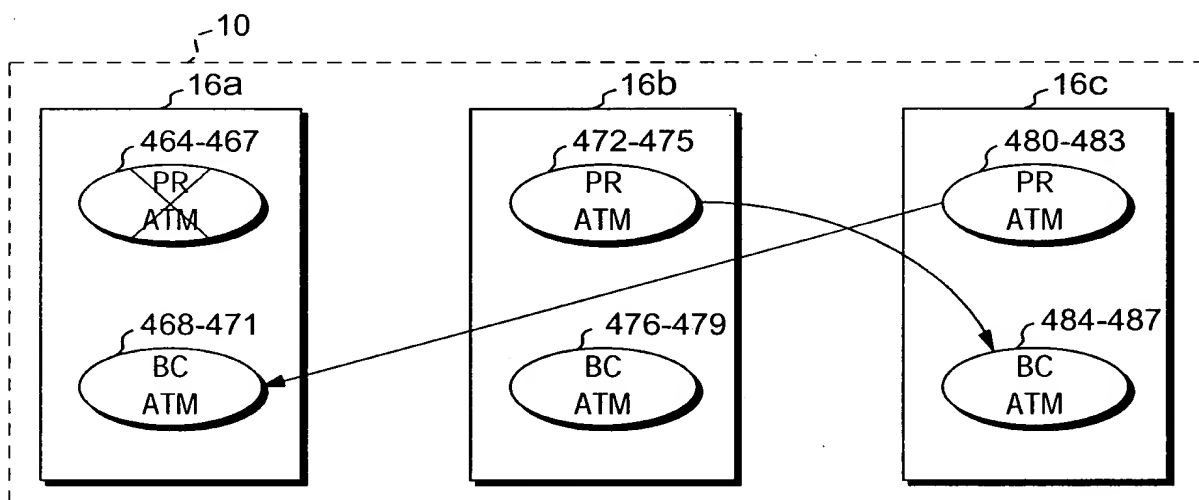


FIG. 31B

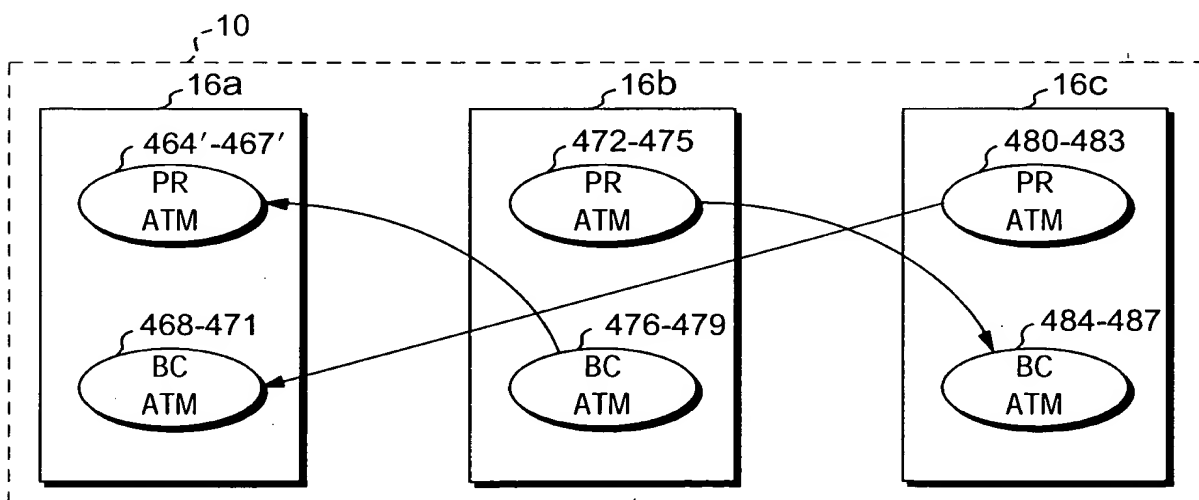


FIG. 31C

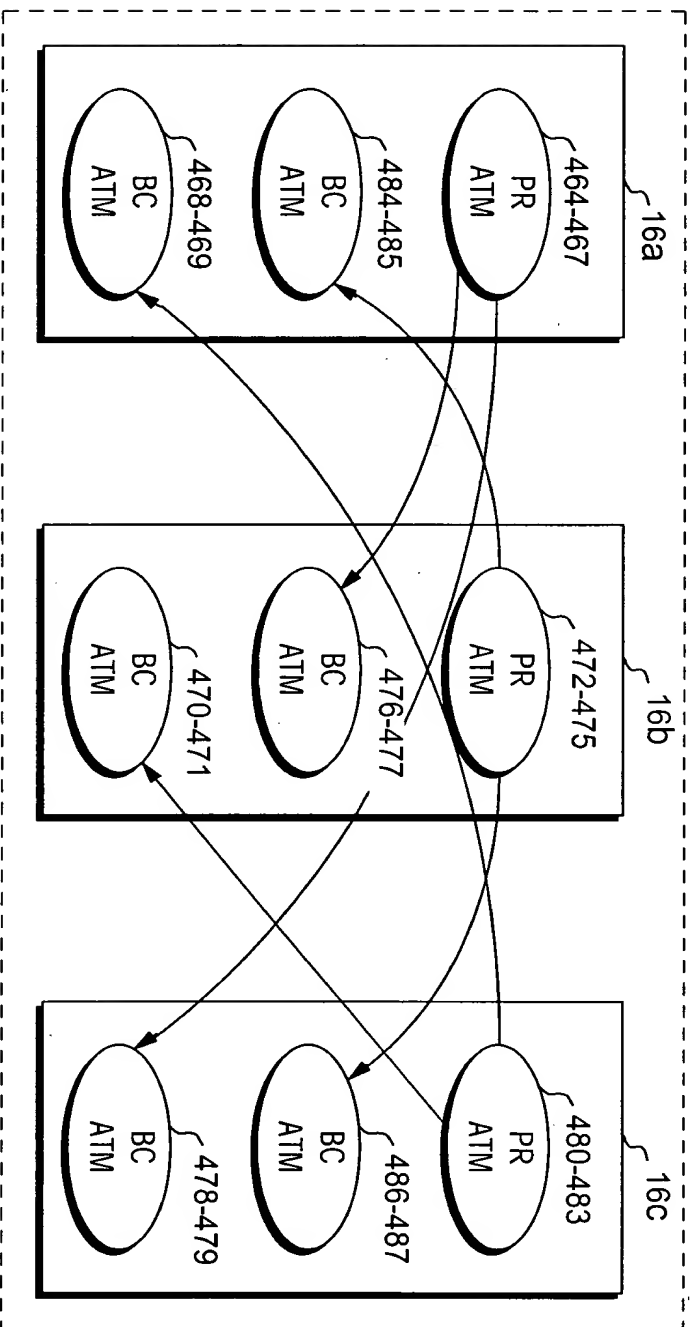


FIG. 32A

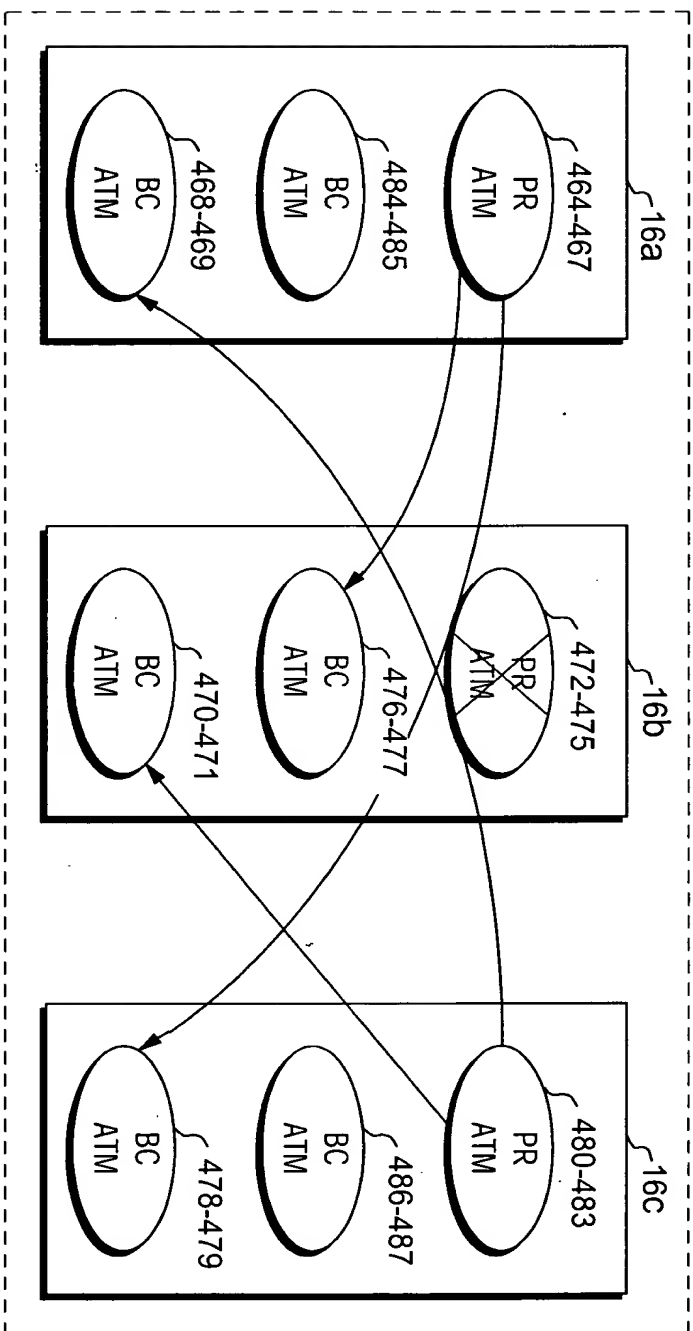


FIG. 32B

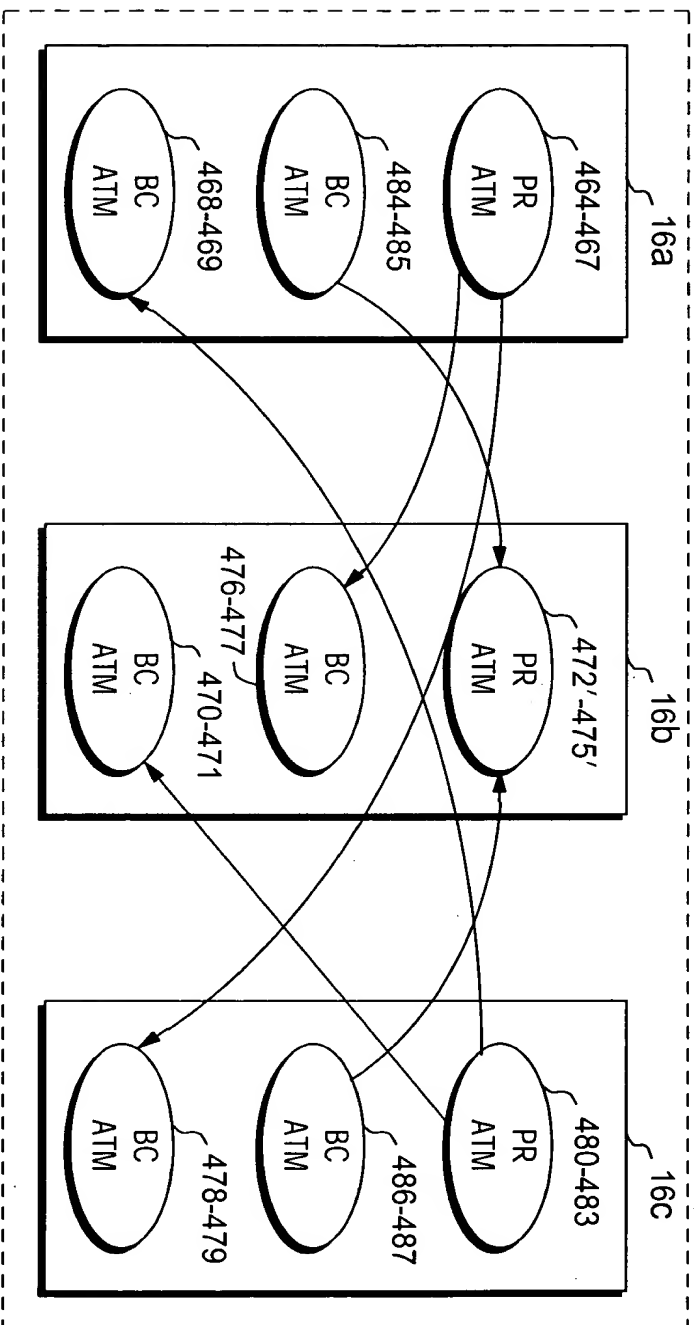


FIG. 32C

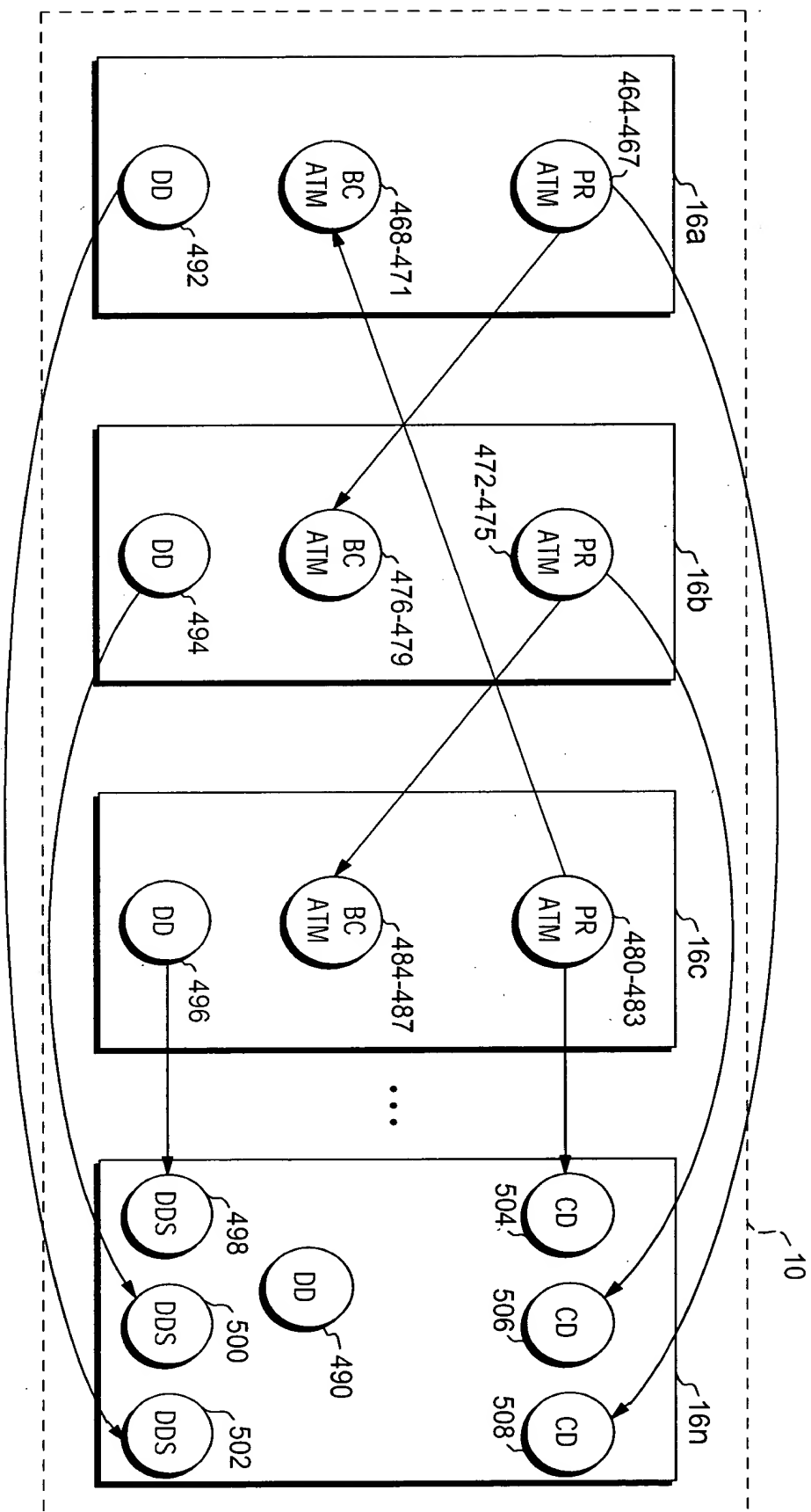


FIG. 33A

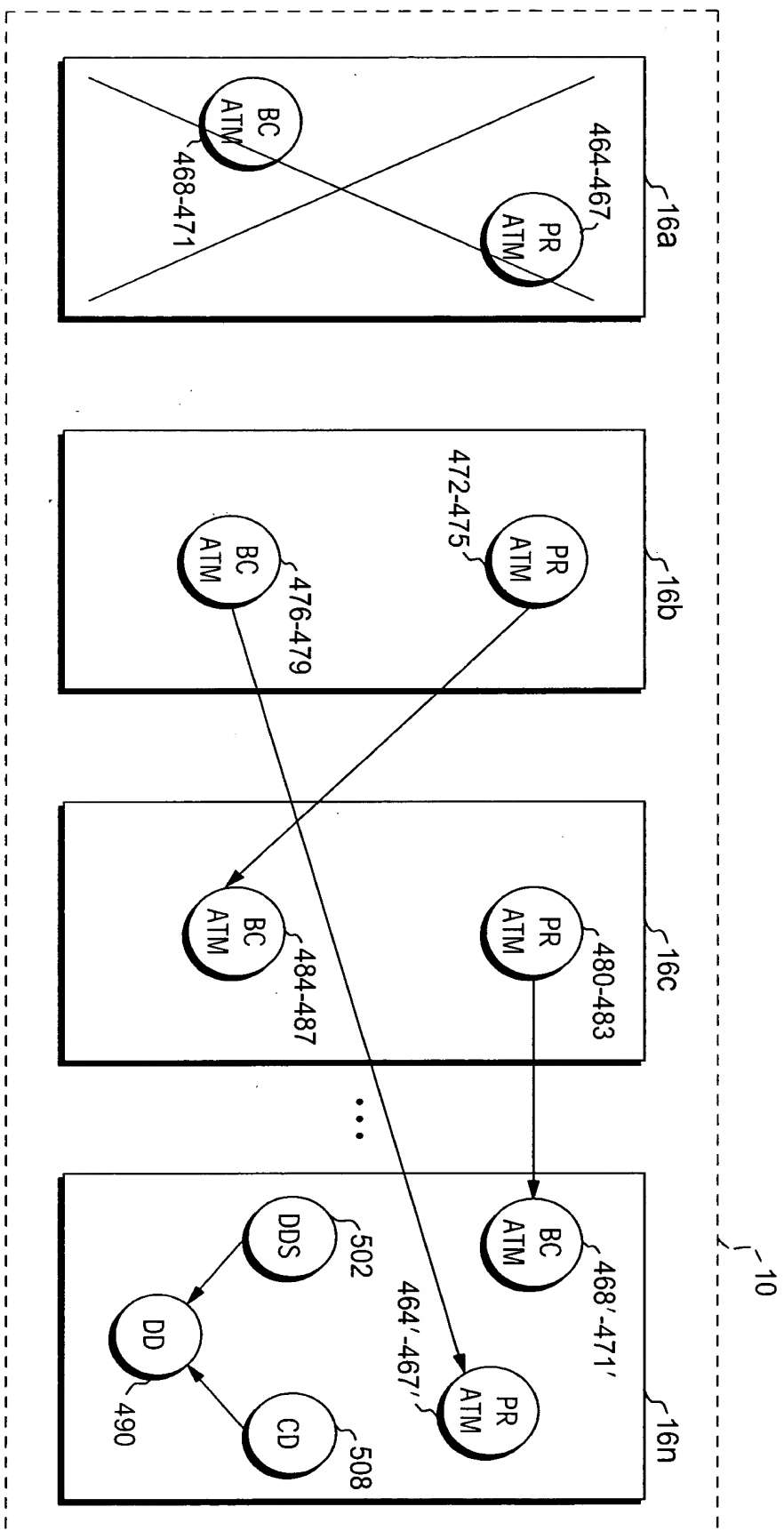


FIG. 33B

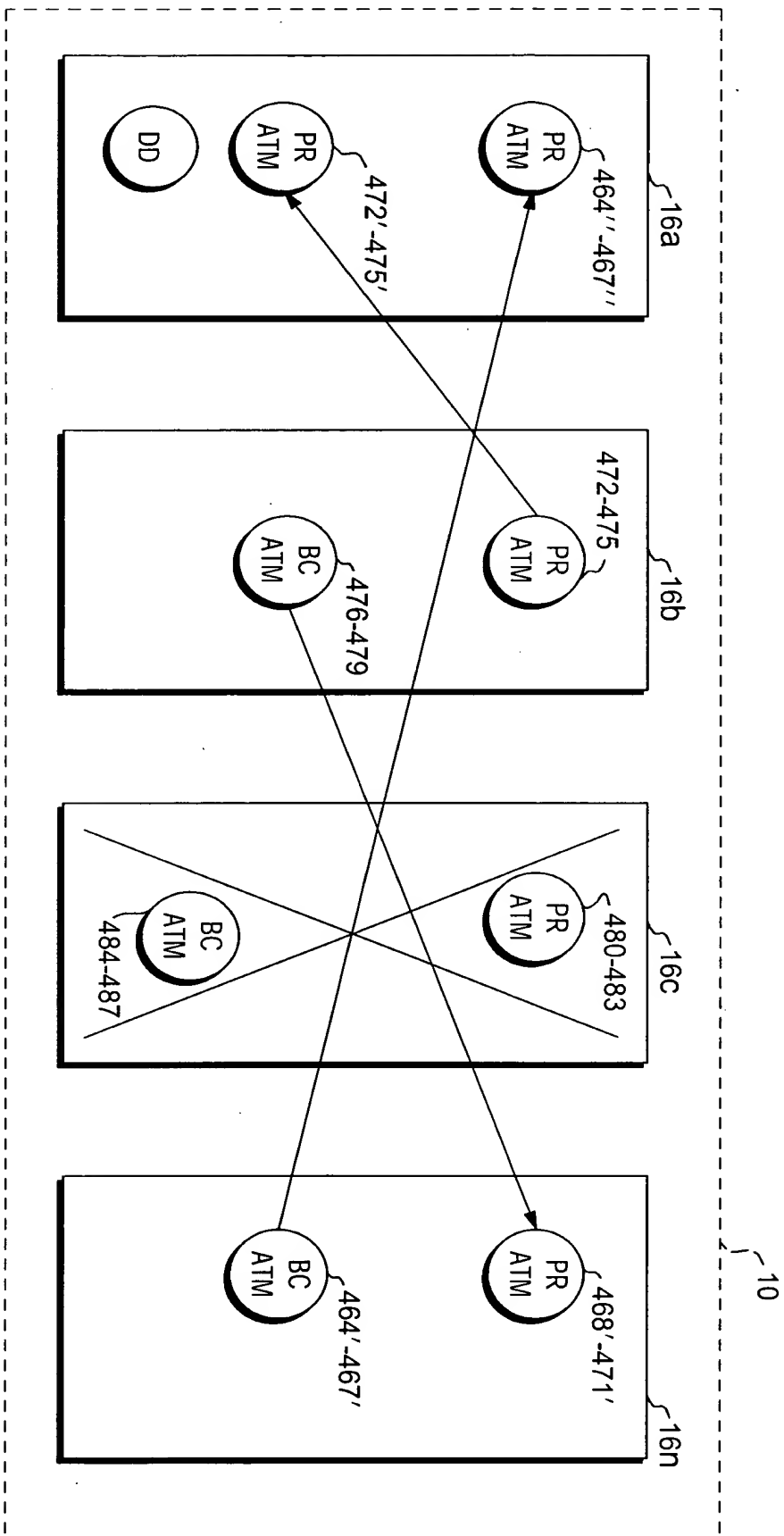


FIG. 33D

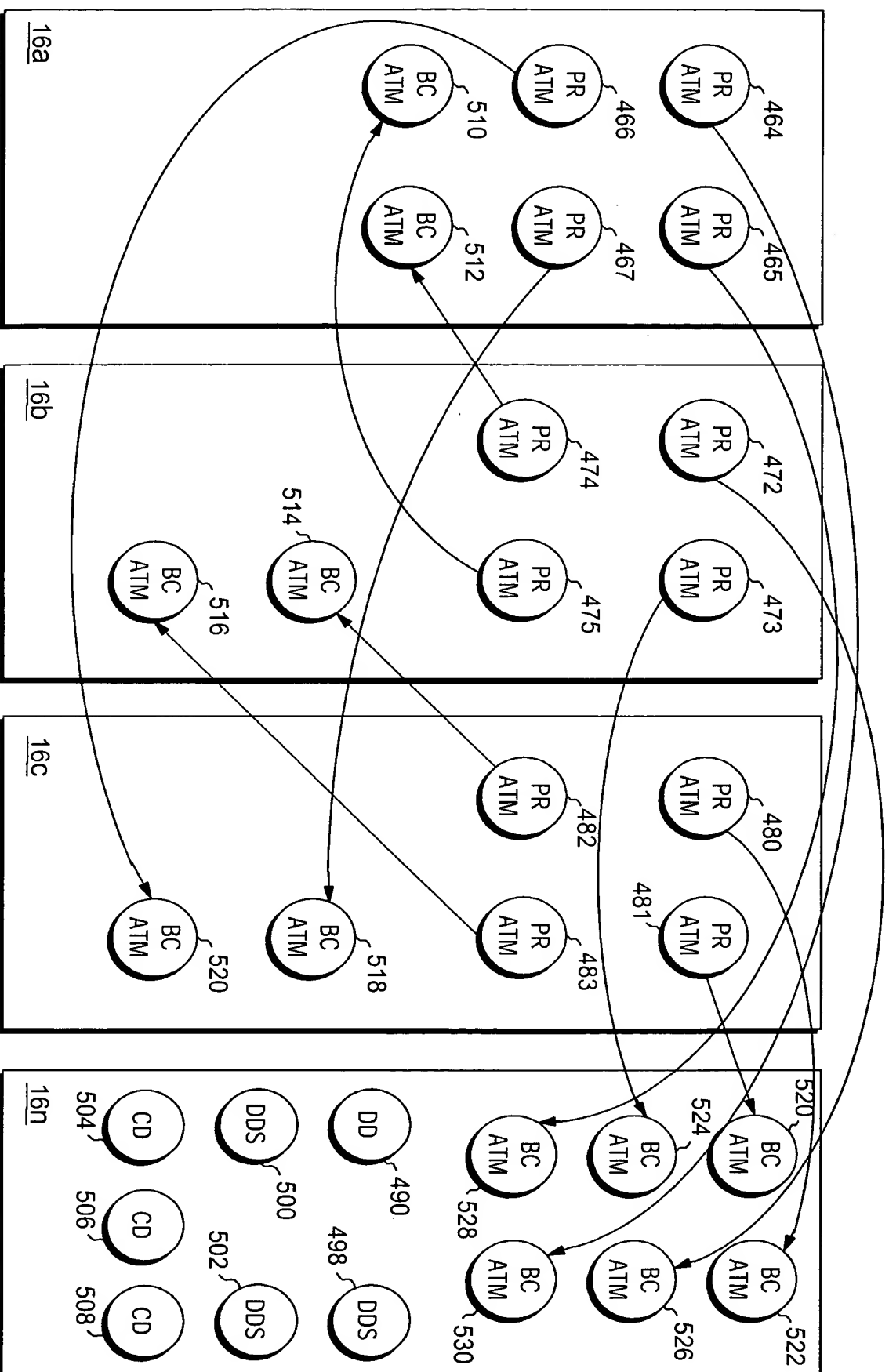
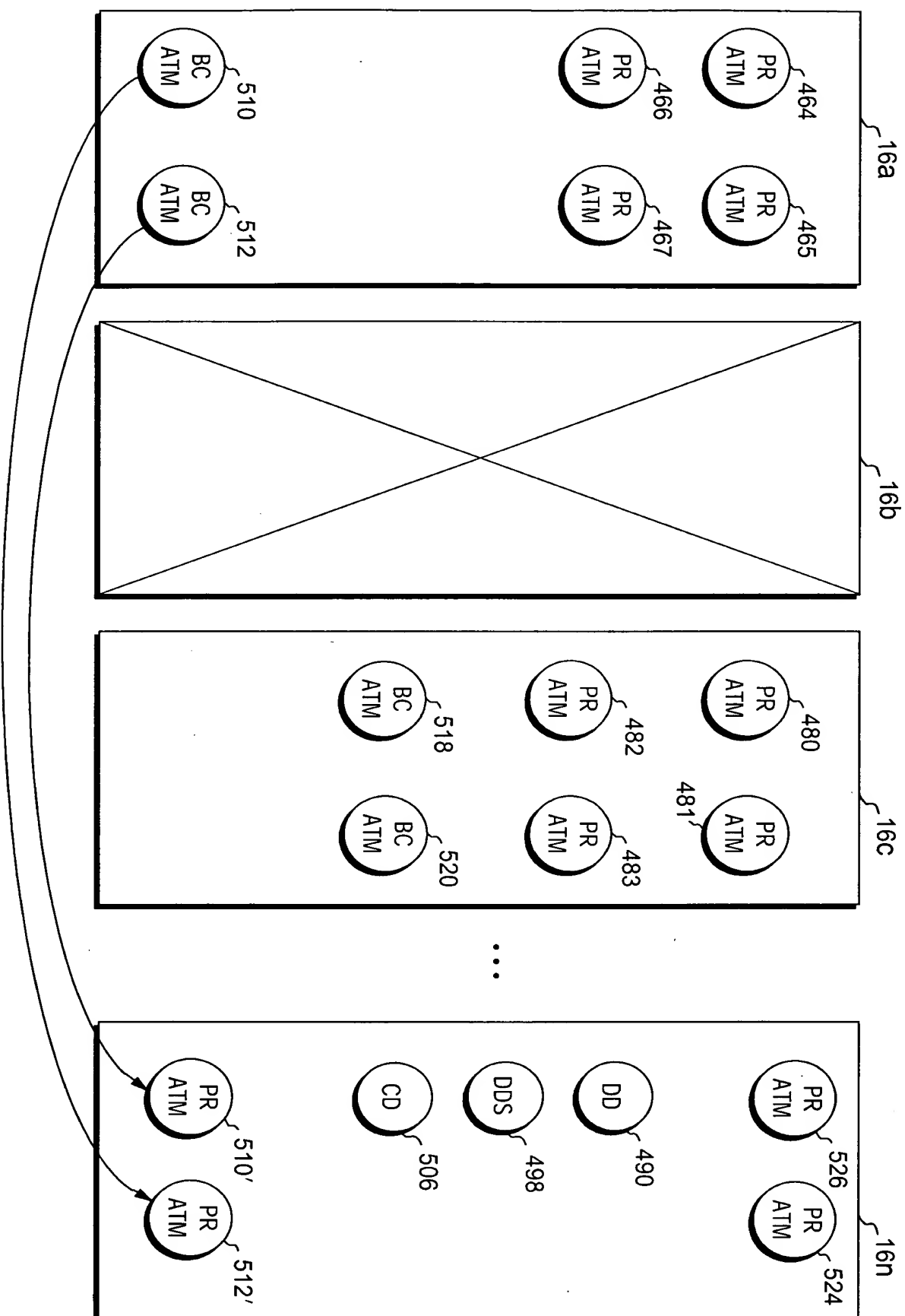
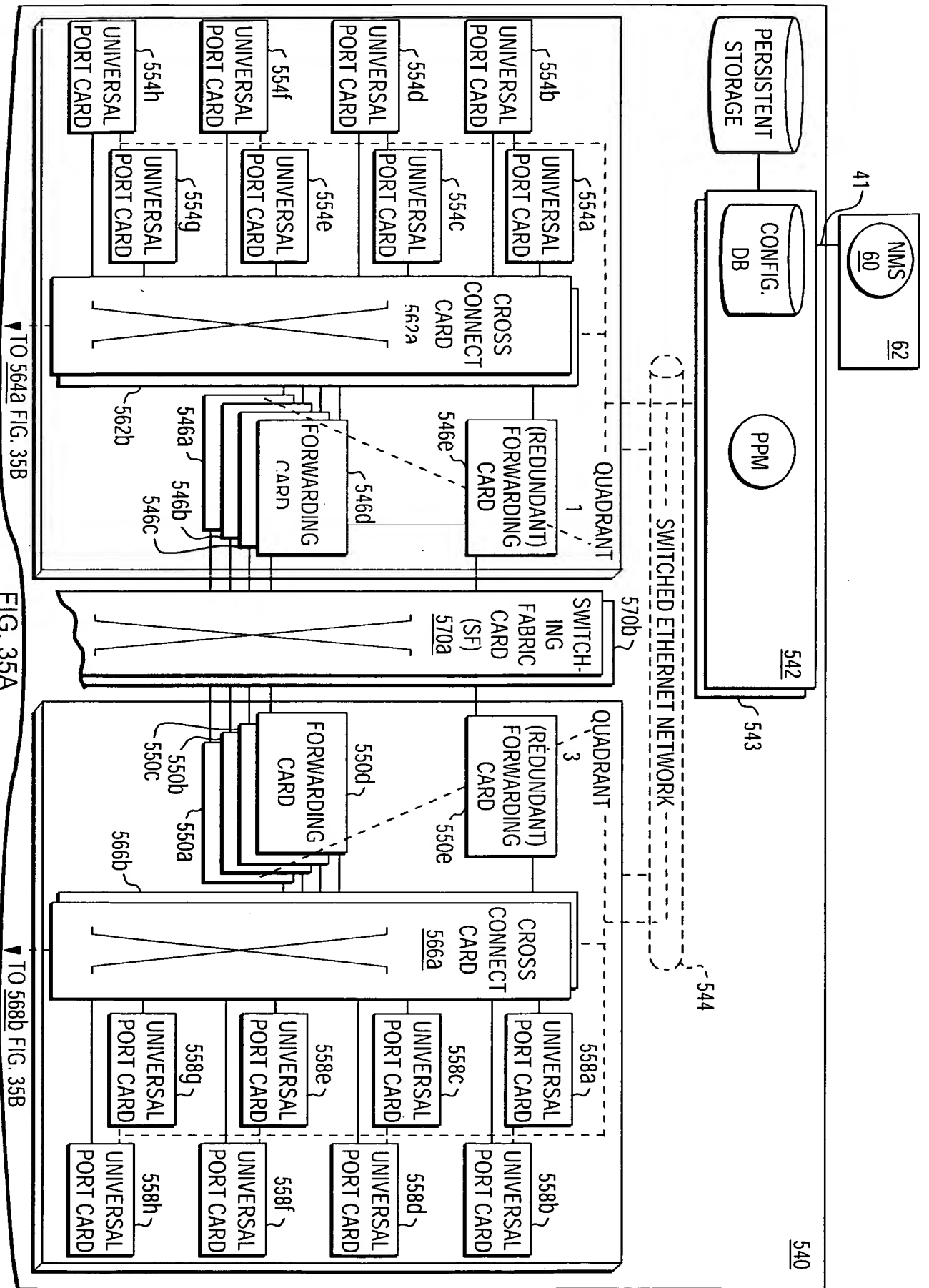


FIG. 34A





TO 564a FIG. 35B

FIG. 35A

TO 568b FIG. 35B

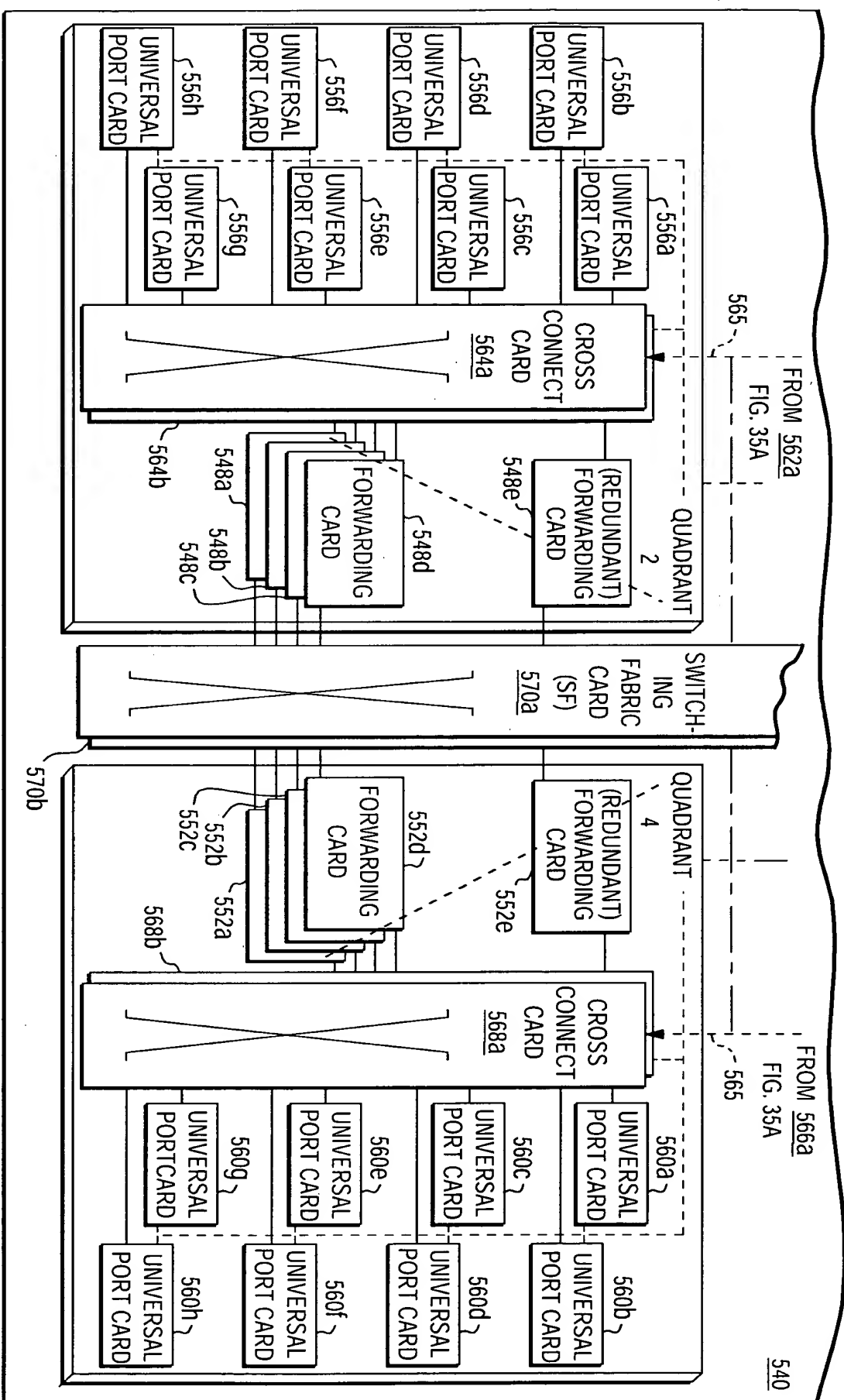


FIG. 35B

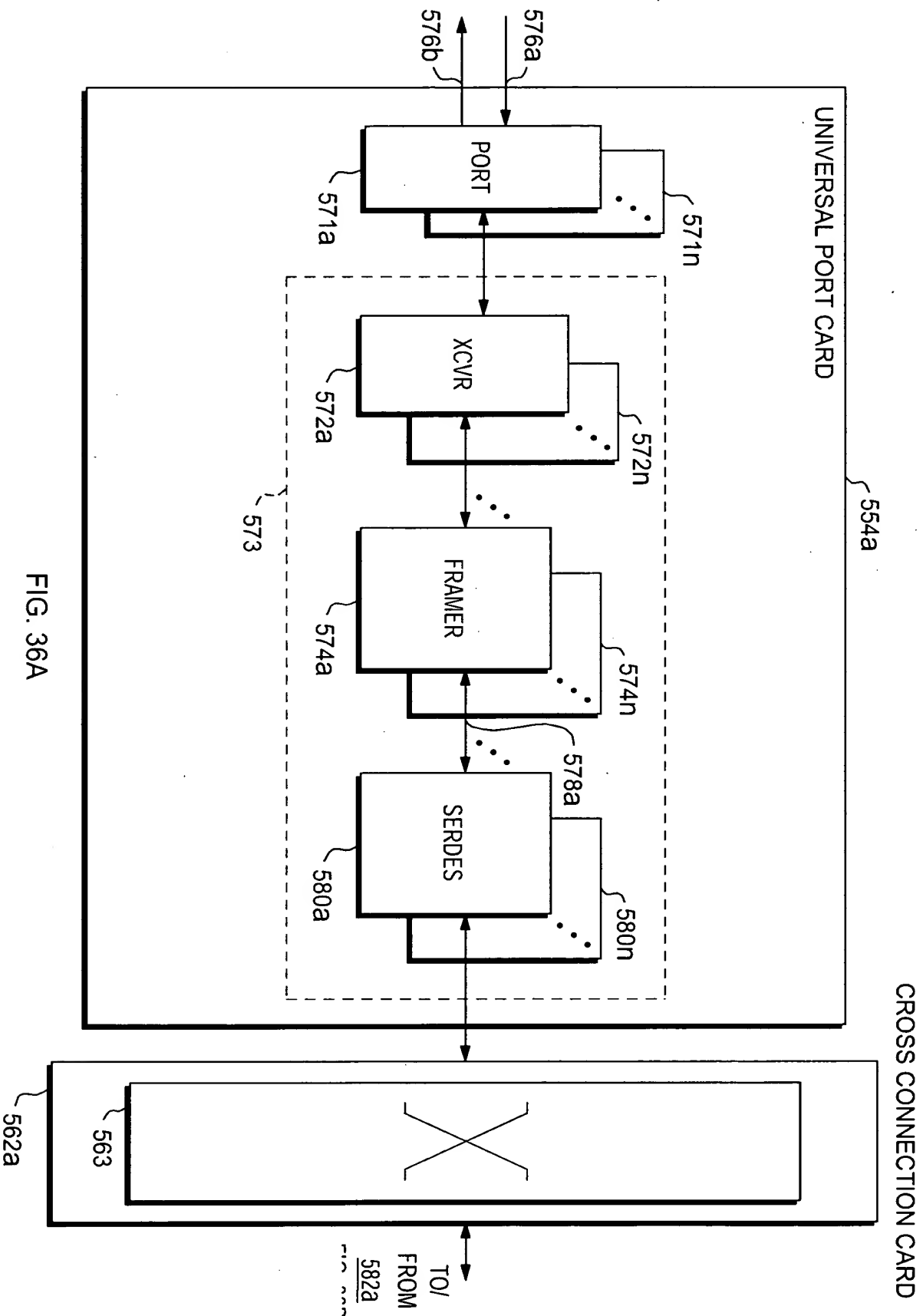
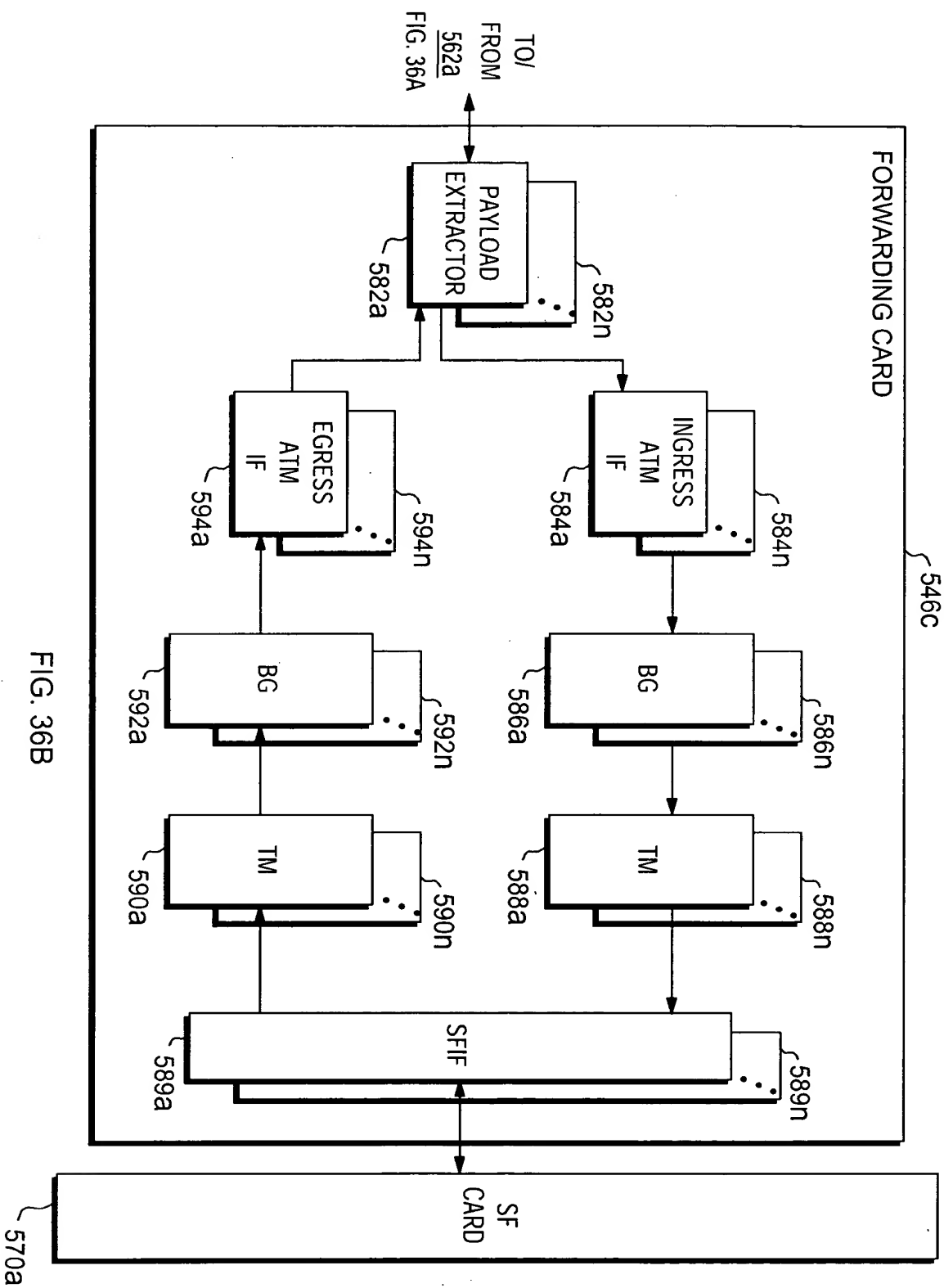


FIG. 36A



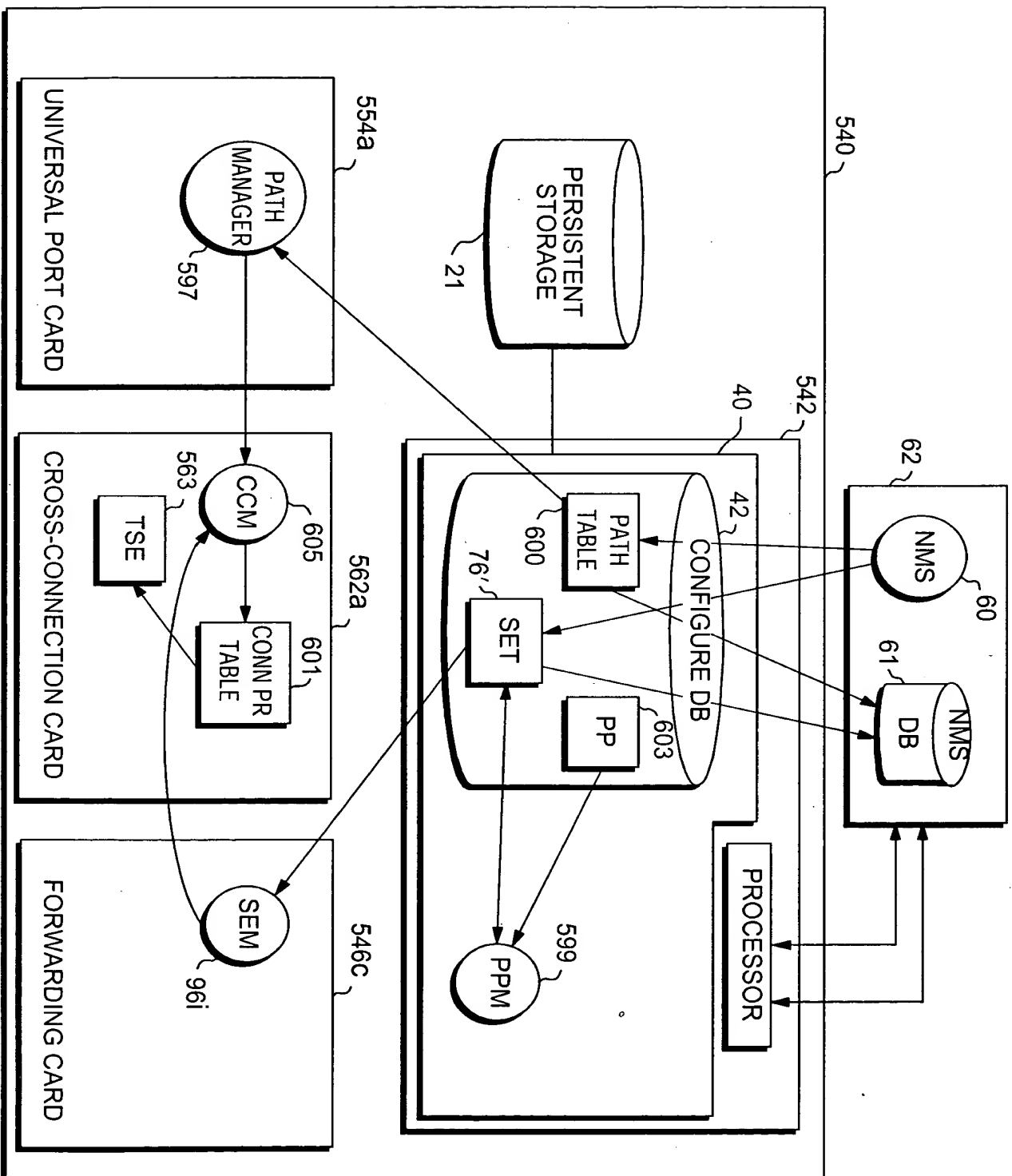


FIG. 37

PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38

SERVICE END POINT TABLE 76'

604	606		608		610	
	SE #	Q #	FC LID	FC SLICE	FC TIME SLOT	PATH PID
	...					
	878	1				1666
	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 39

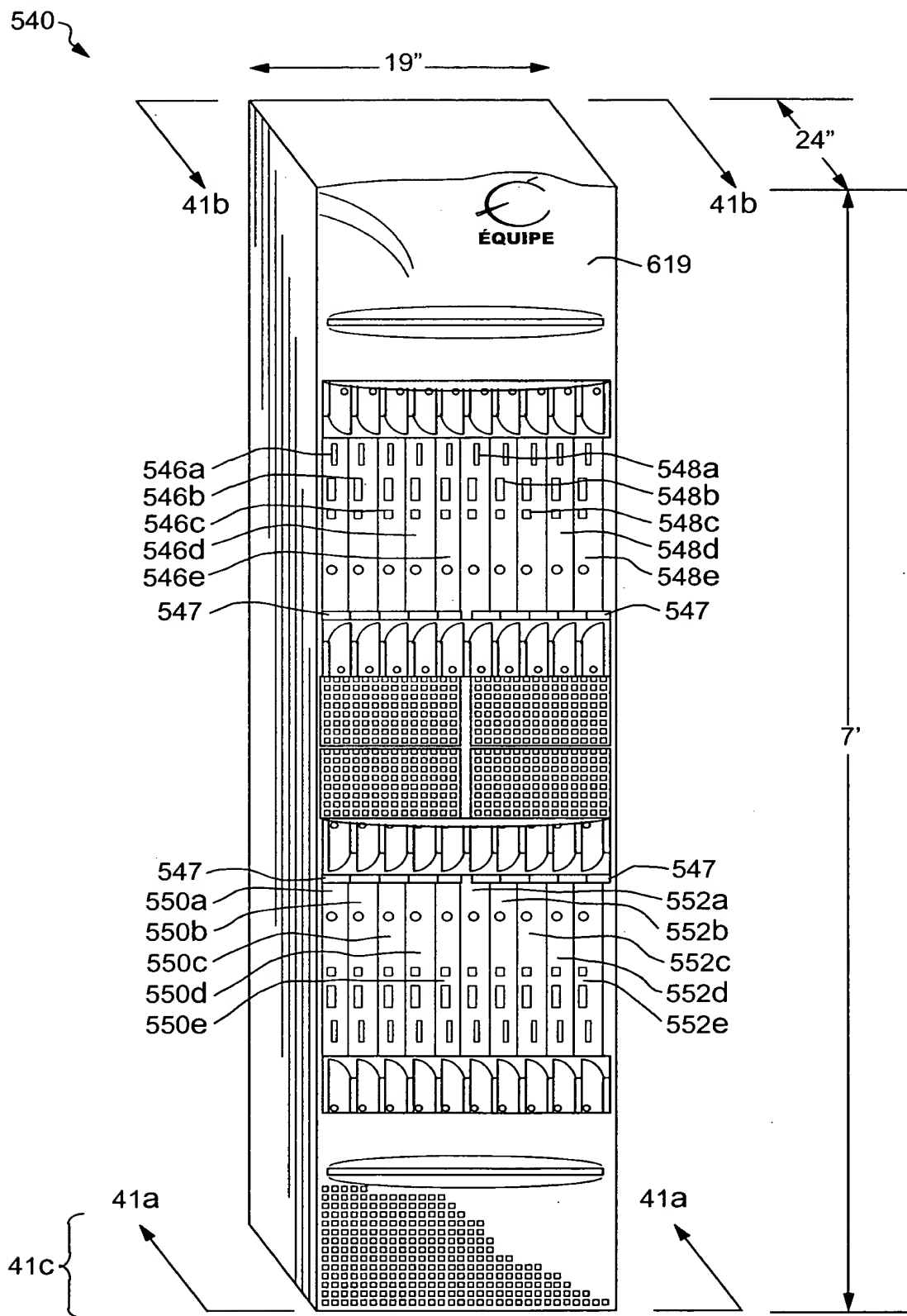


FIG. 40

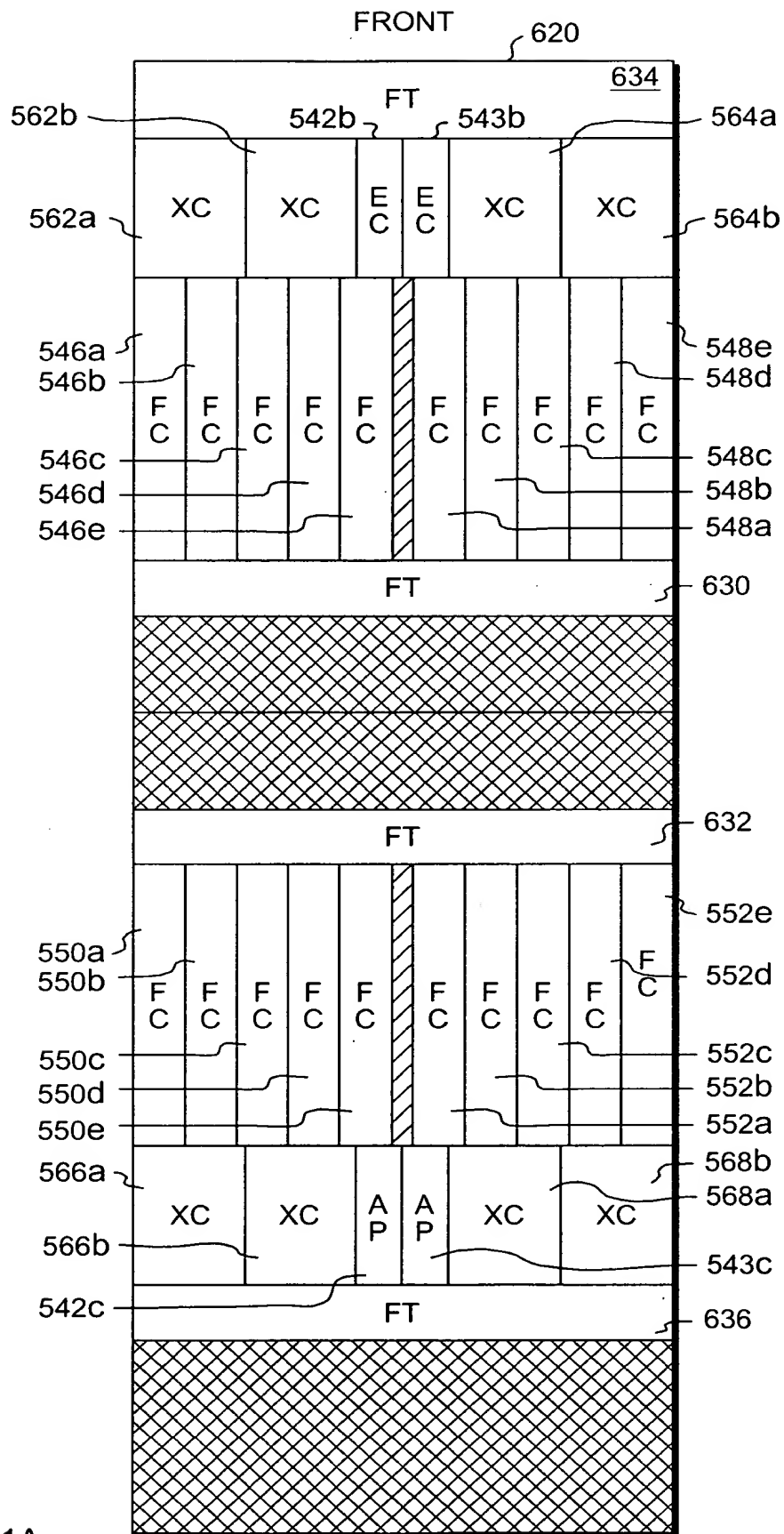


FIG. 41A

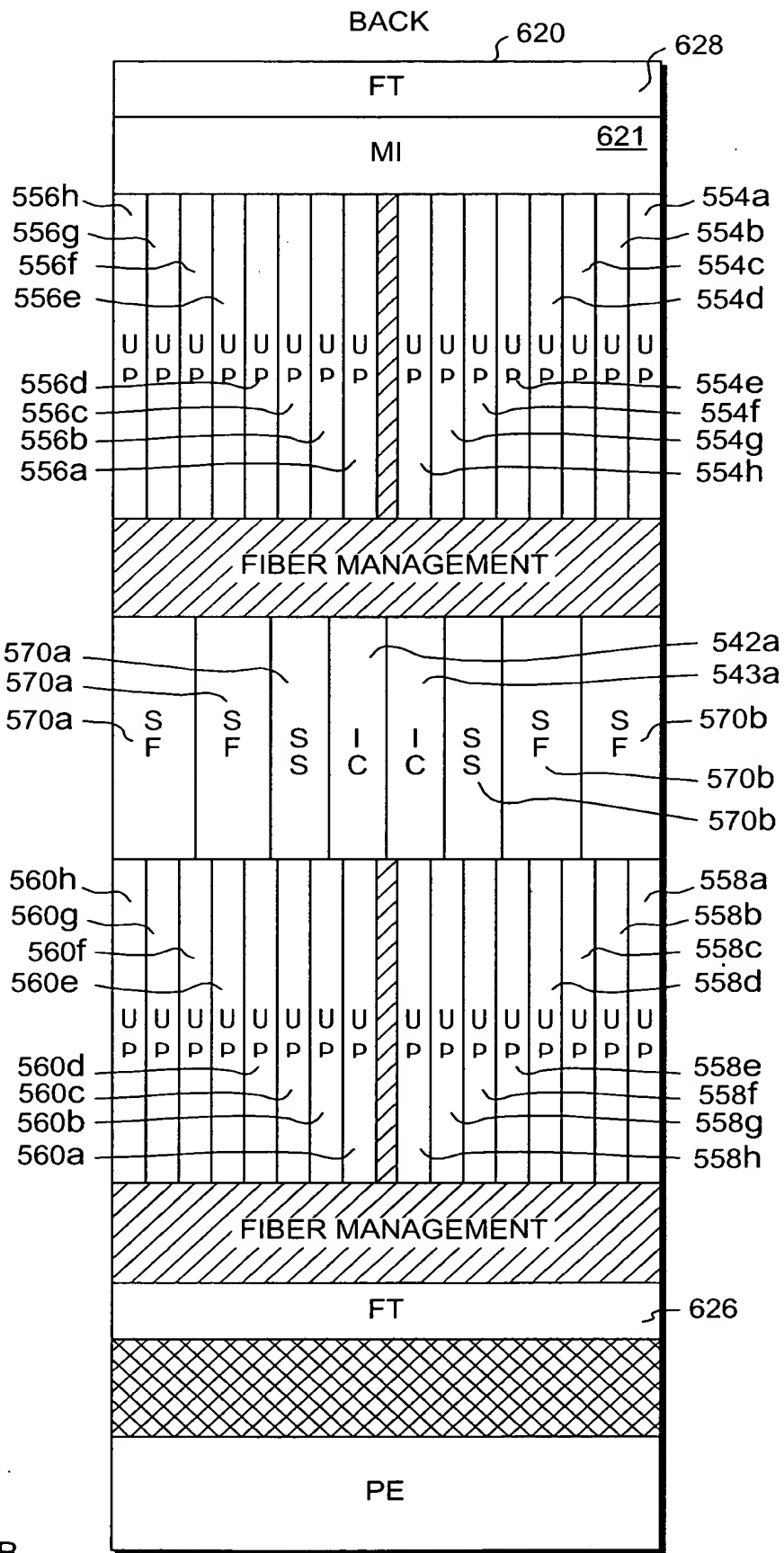


FIG. 41B

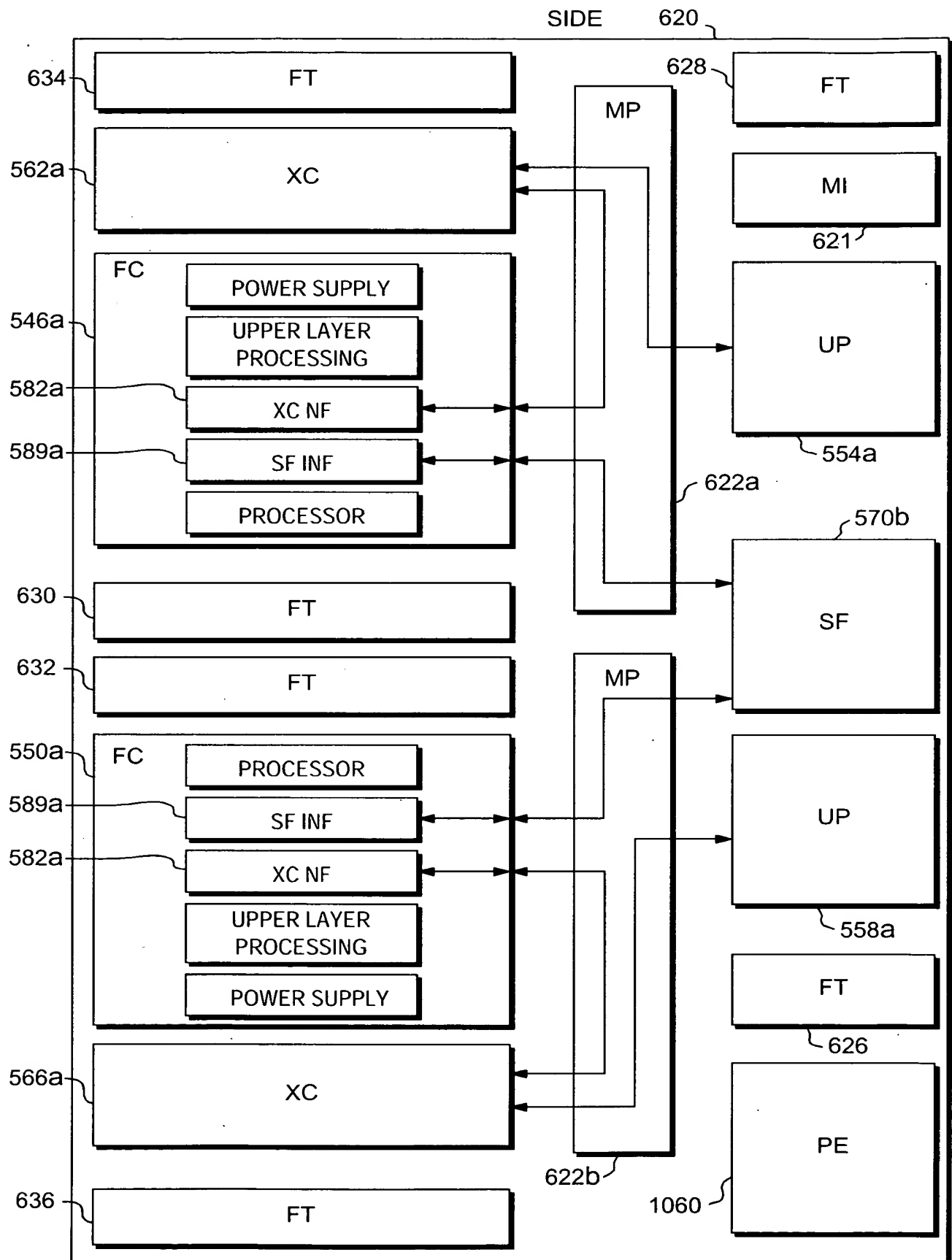


FIG. 41C

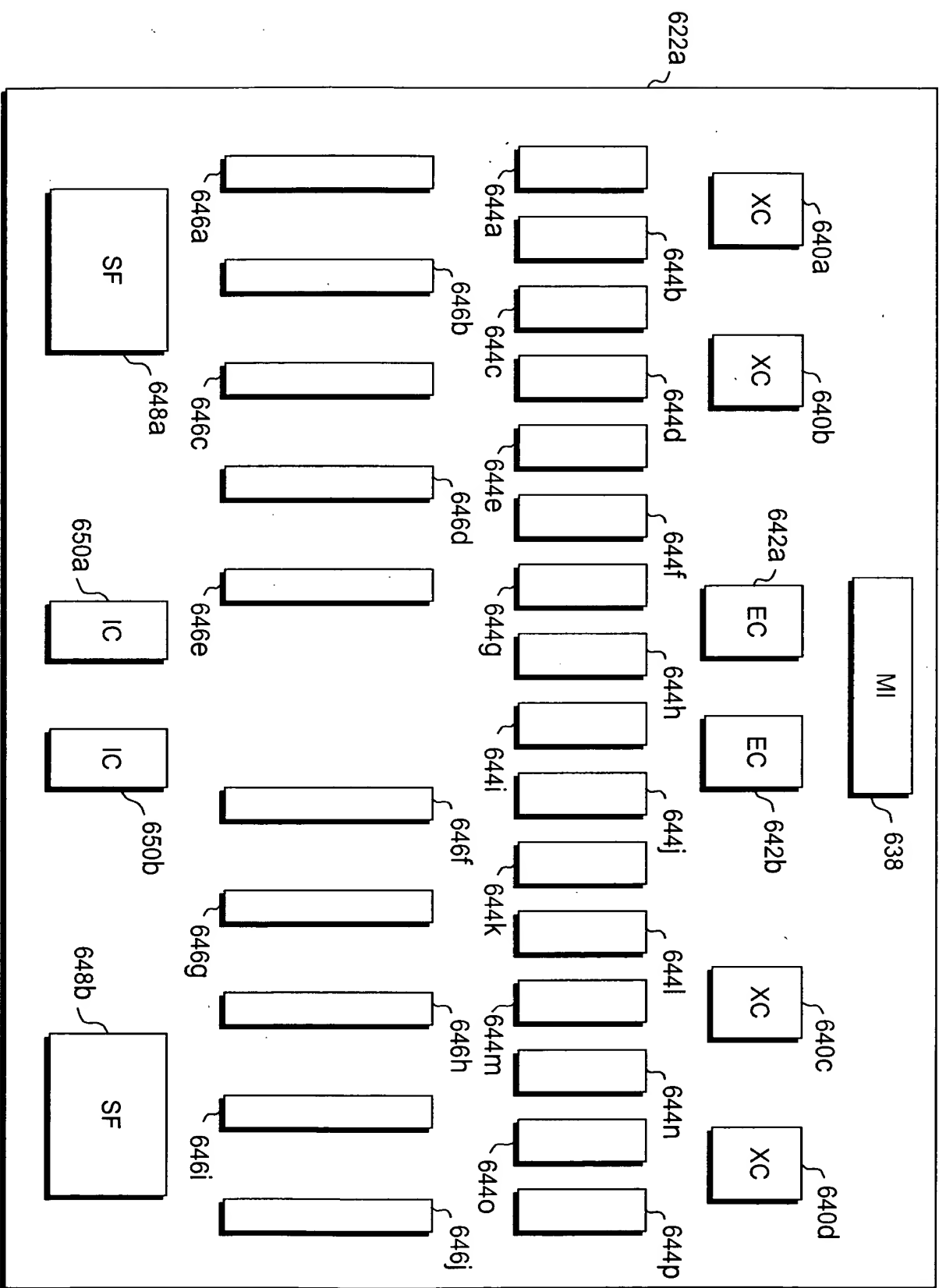


FIG. 42A

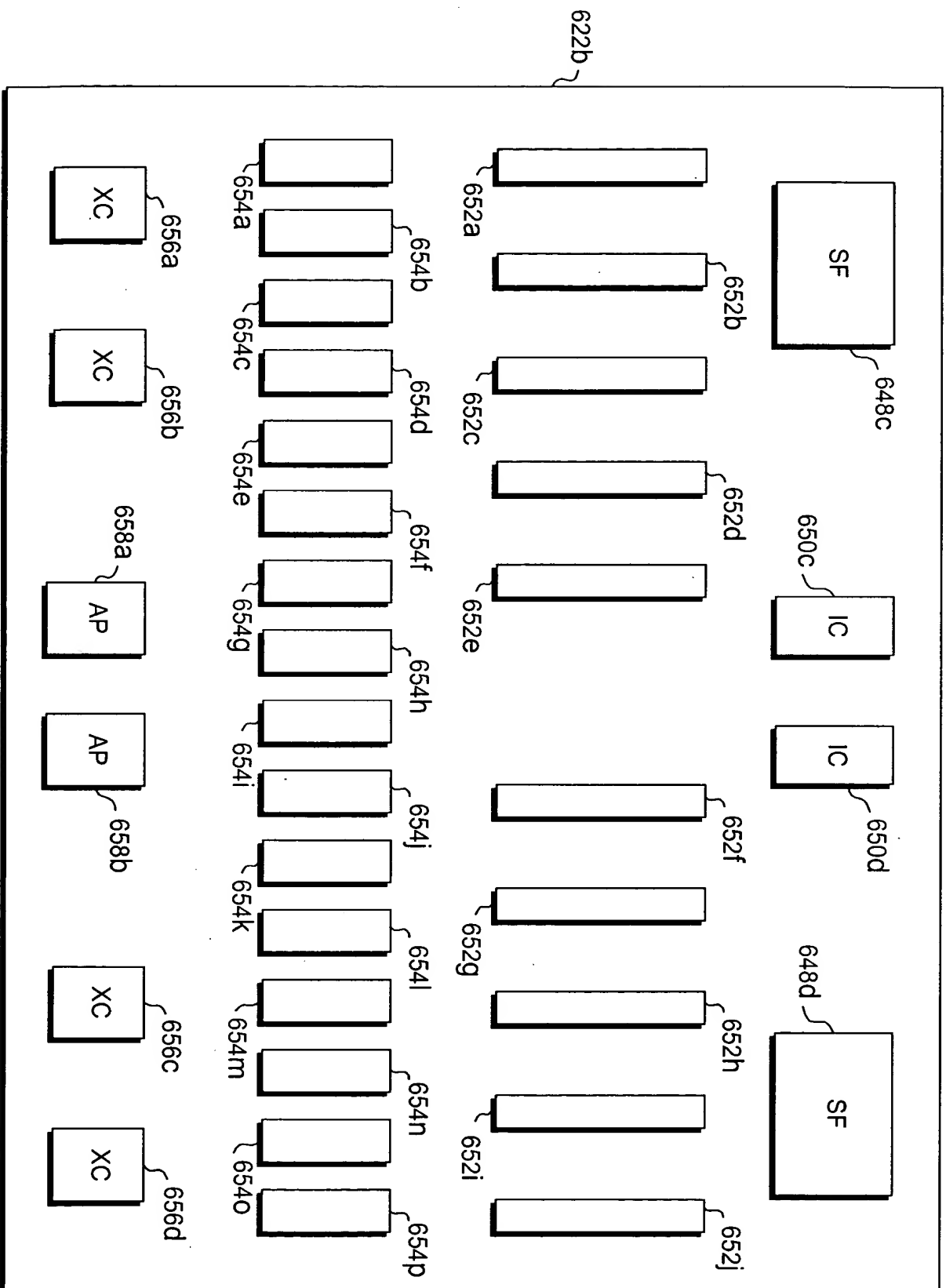


FIG. 42B

FIG. 43

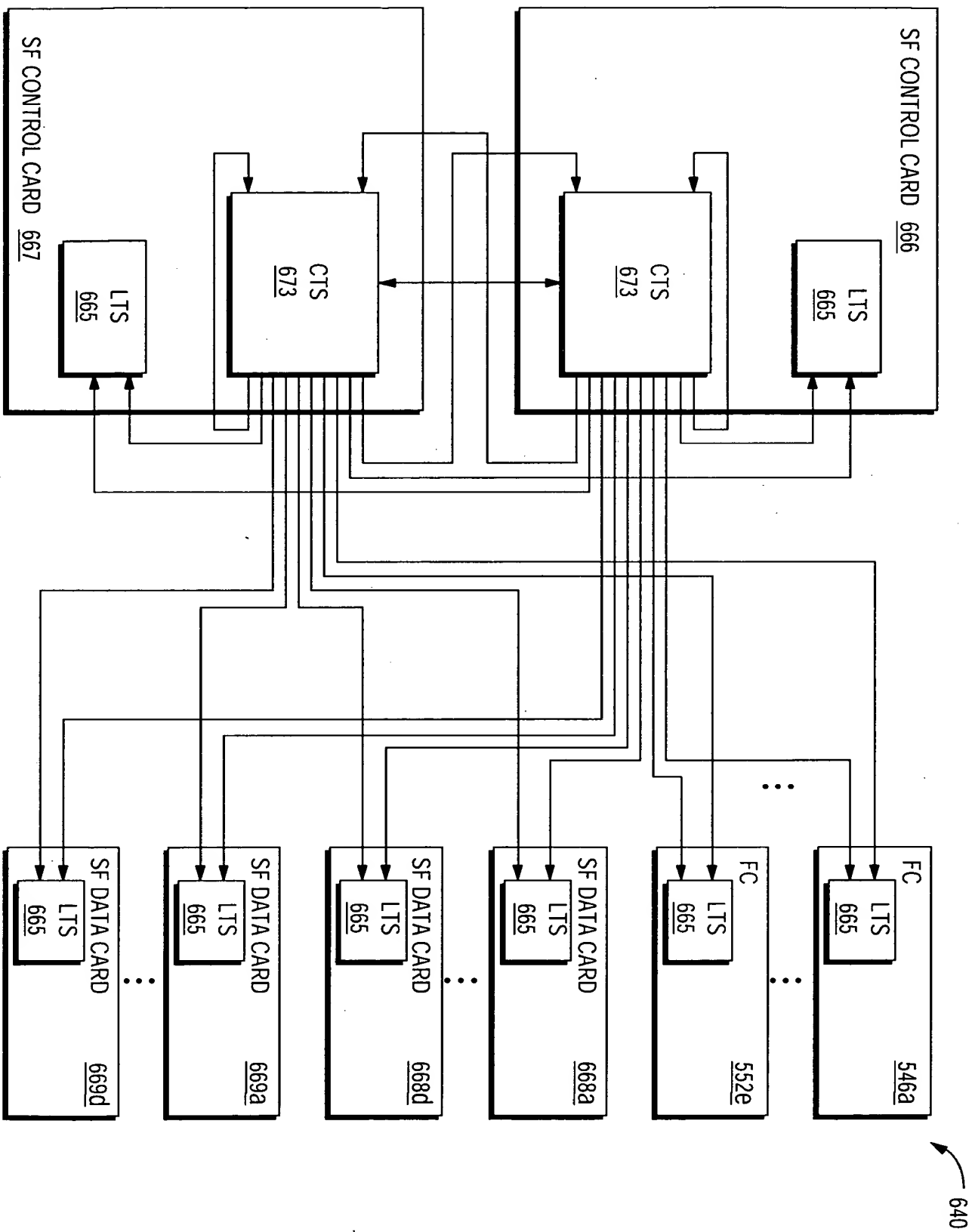
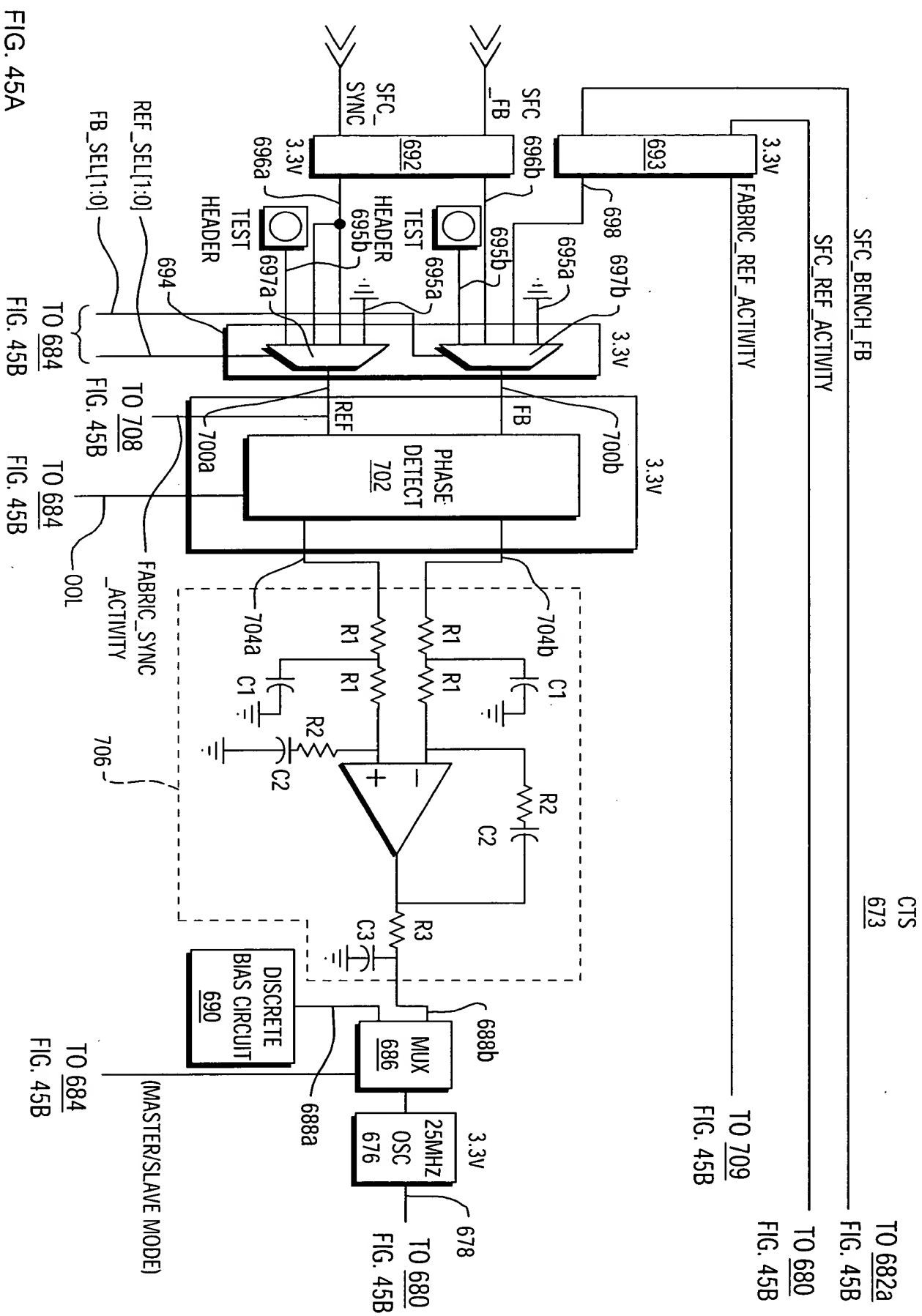


FIG. 44



CTS
673

FROM 686
FIG. 45A

FROM 676
FIG. 45A

FROM 693
FIG. 45A

SFC_
BENCH_FB
FIG. 45A

FROM 693
FIG. 45A

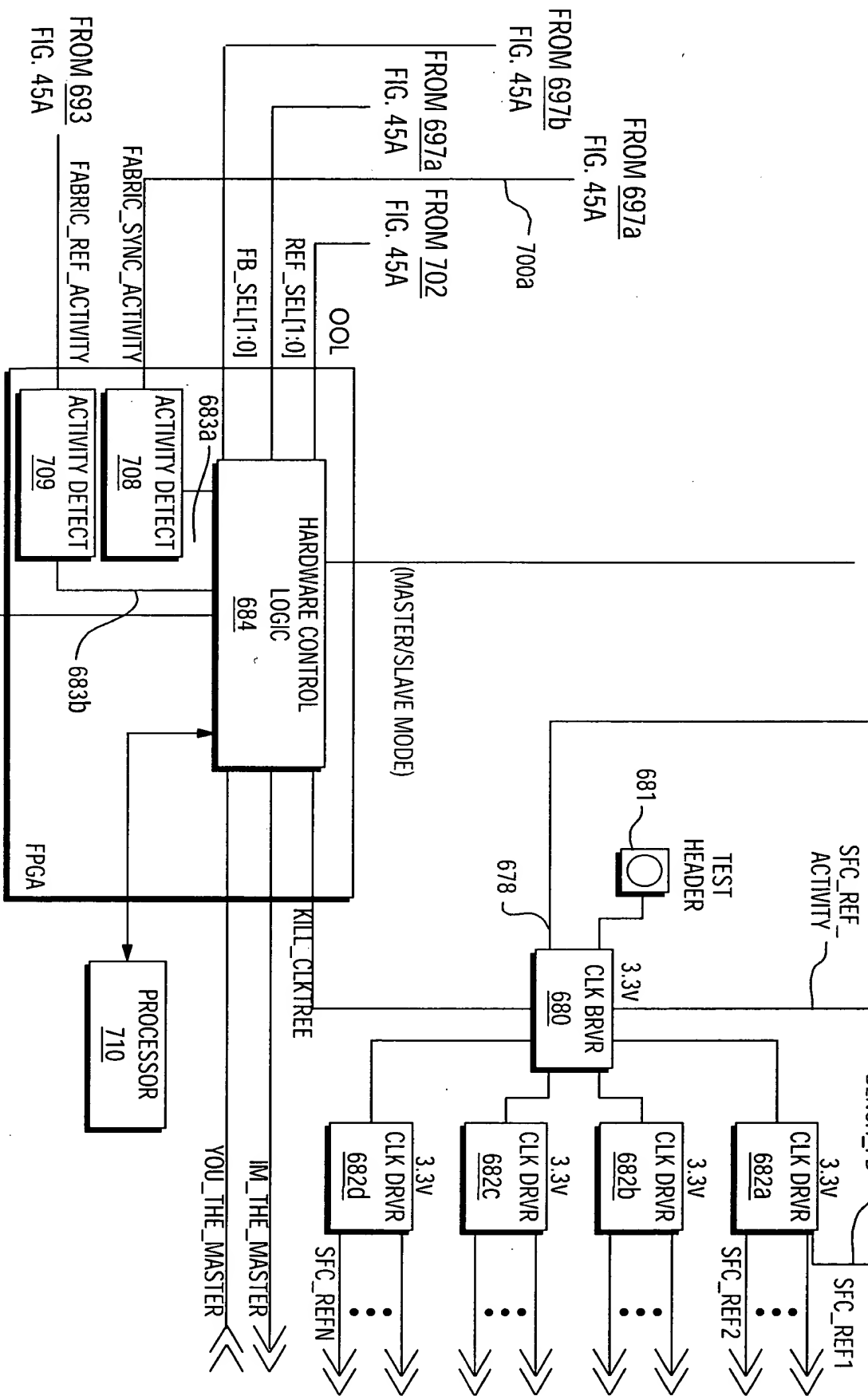


FIG. 45B

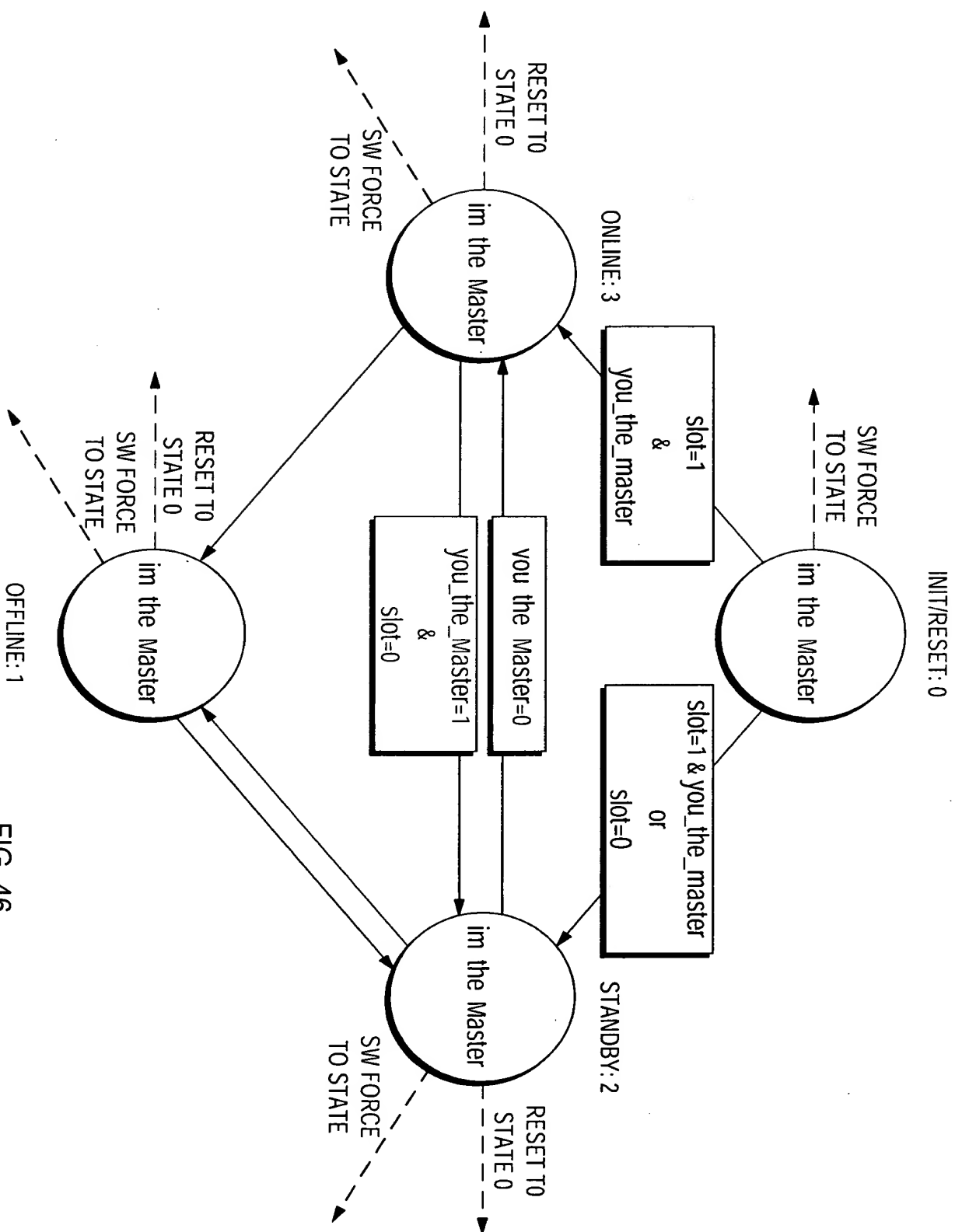


FIG. 46

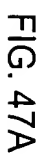


FIG. 47A

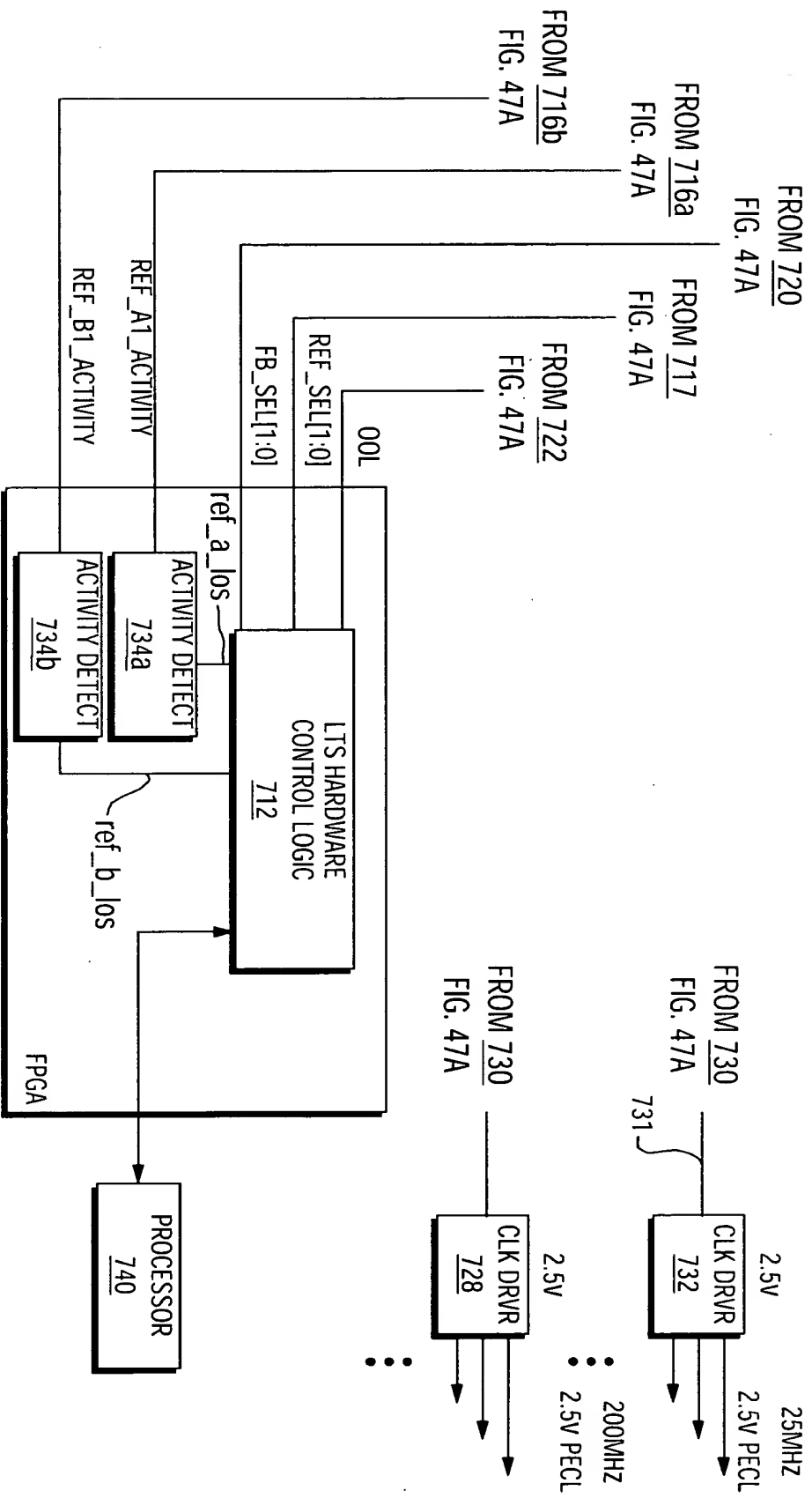


FIG. 47B

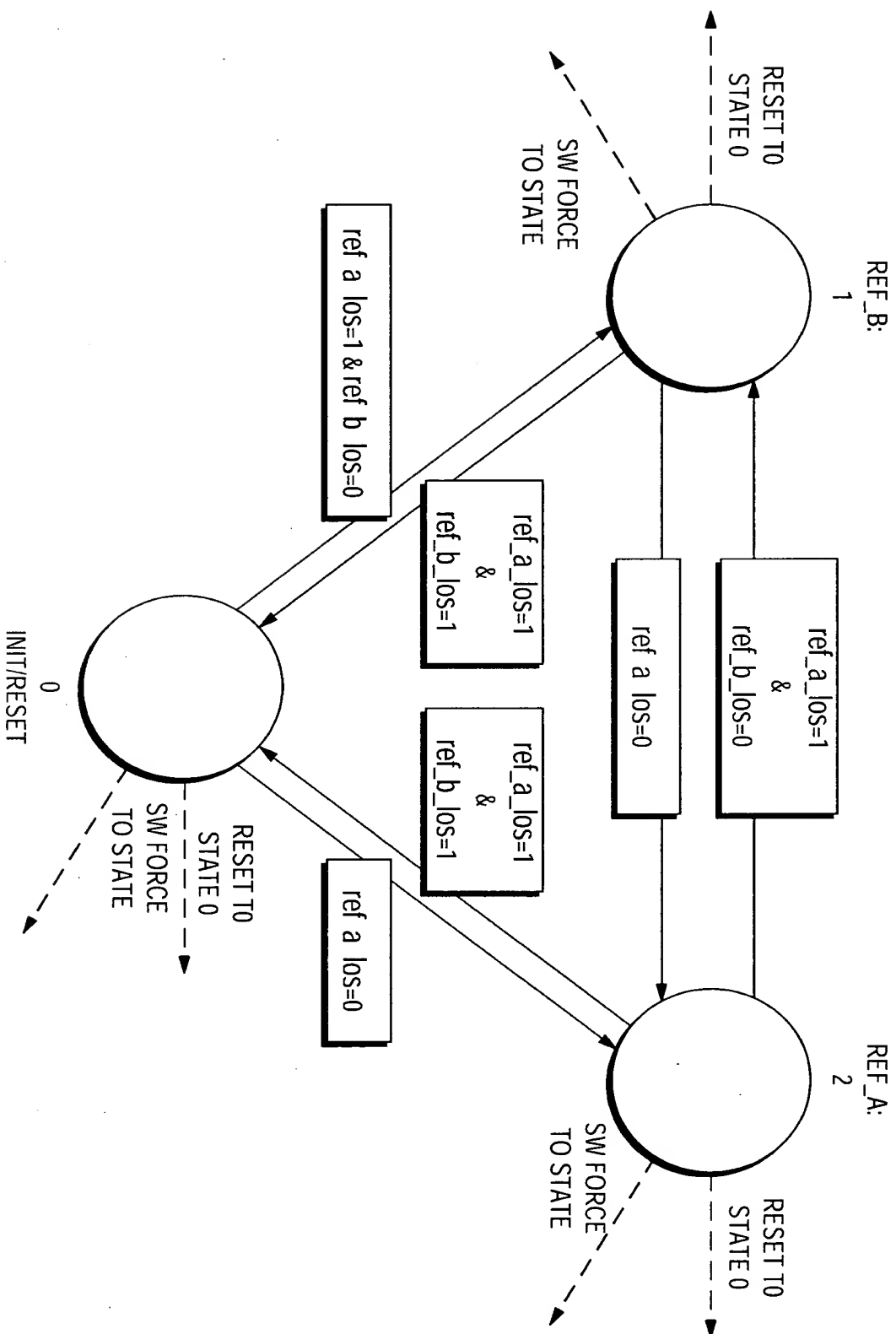


FIG. 48

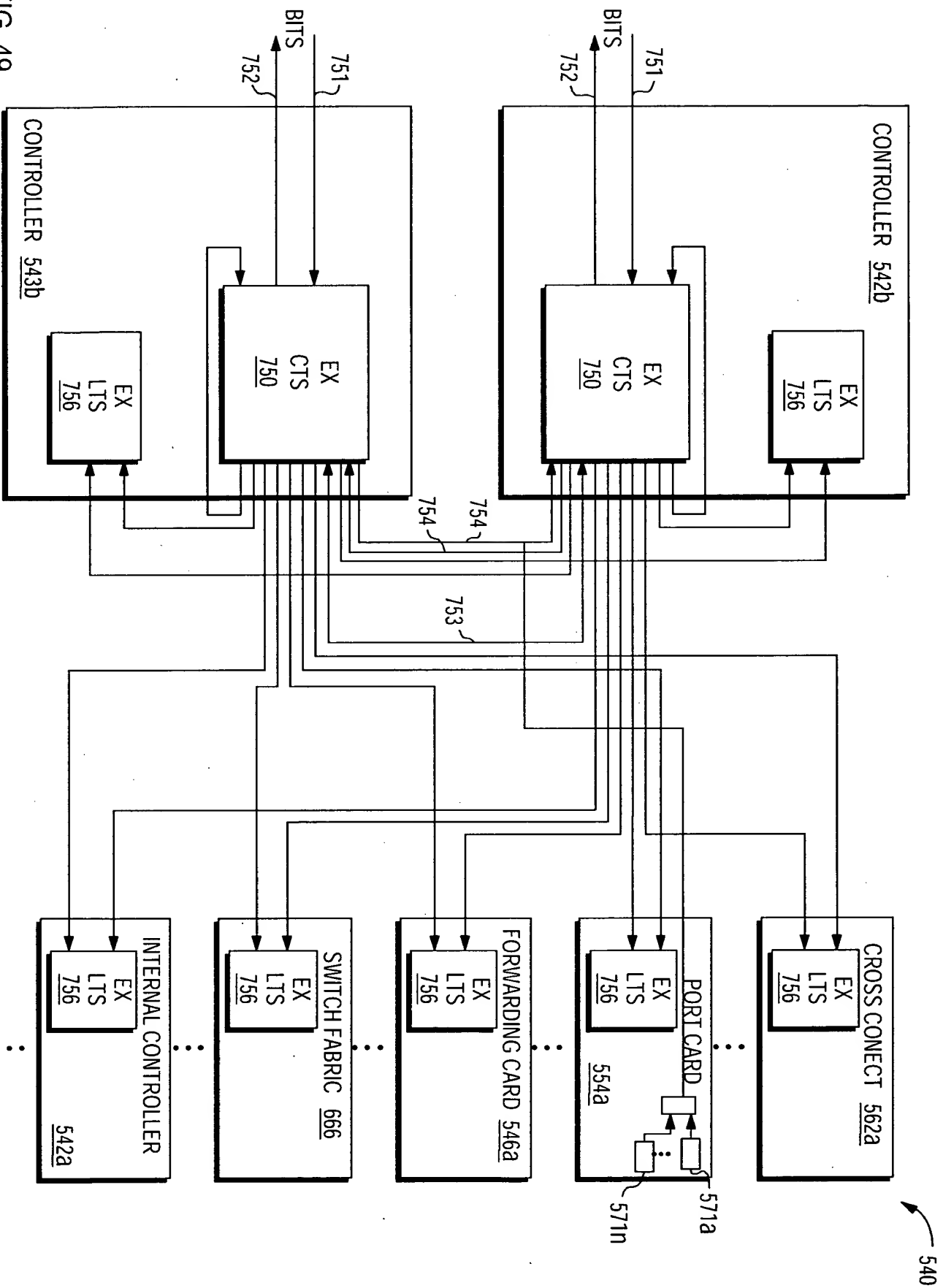
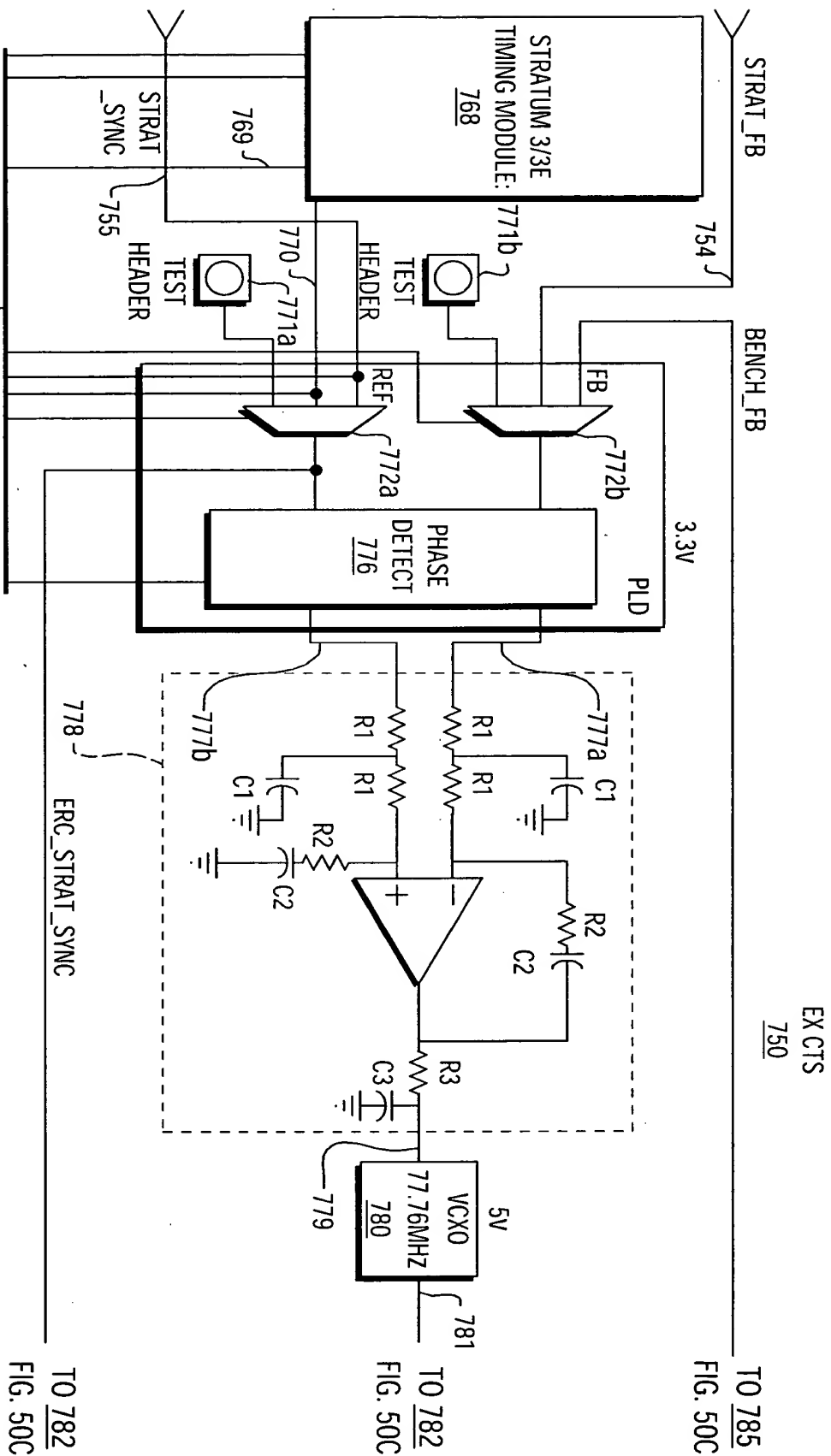


FIG. 49



TO 782
FIG. 50C

TO
FIG. 50B

FIG. 50A

FROM
FIG. 50A

EX CTS TO 782
750 FIG. 50C
FIG. 50C TO 758
FIG. 50C TO 785

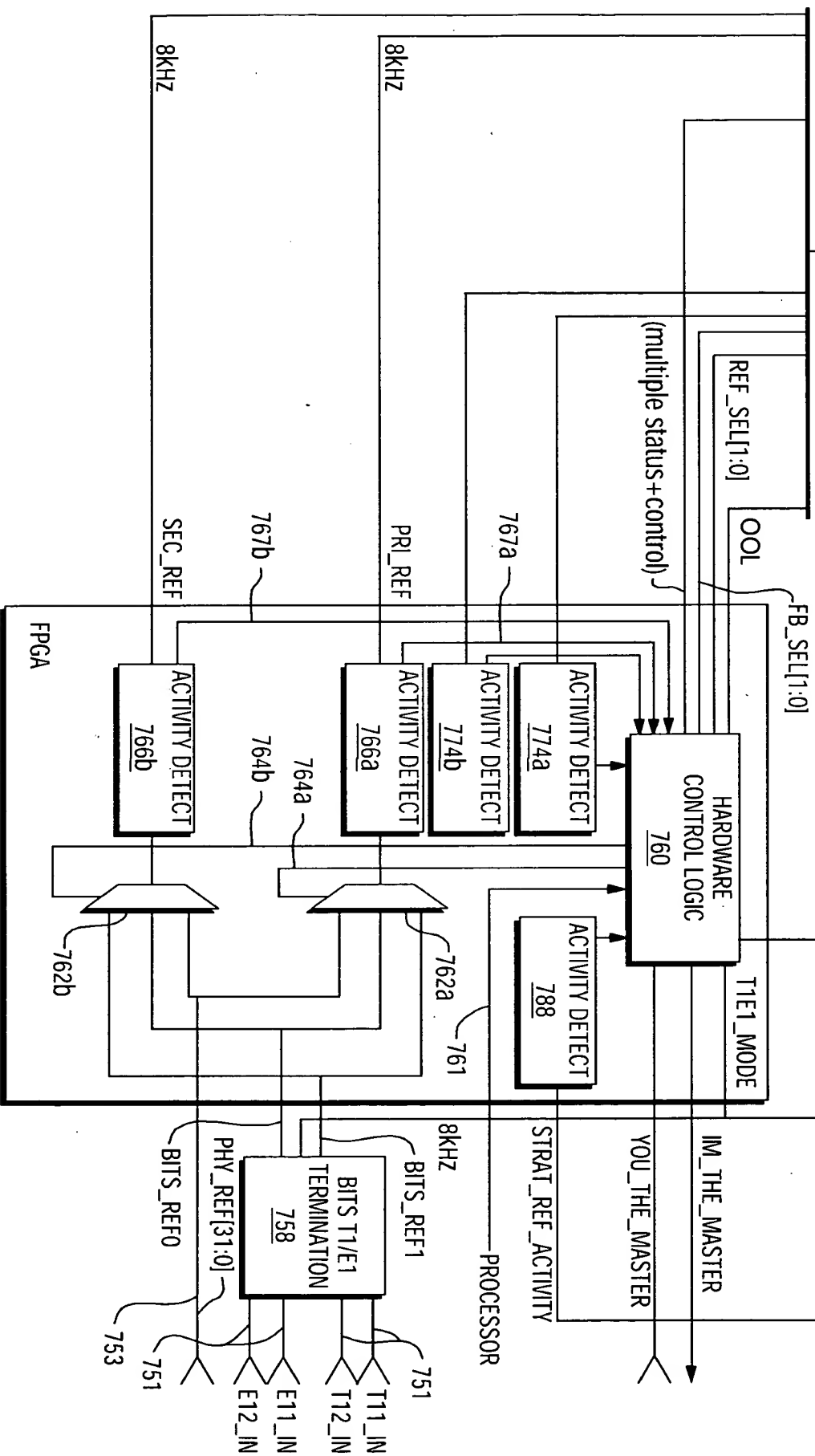


FIG. 50B

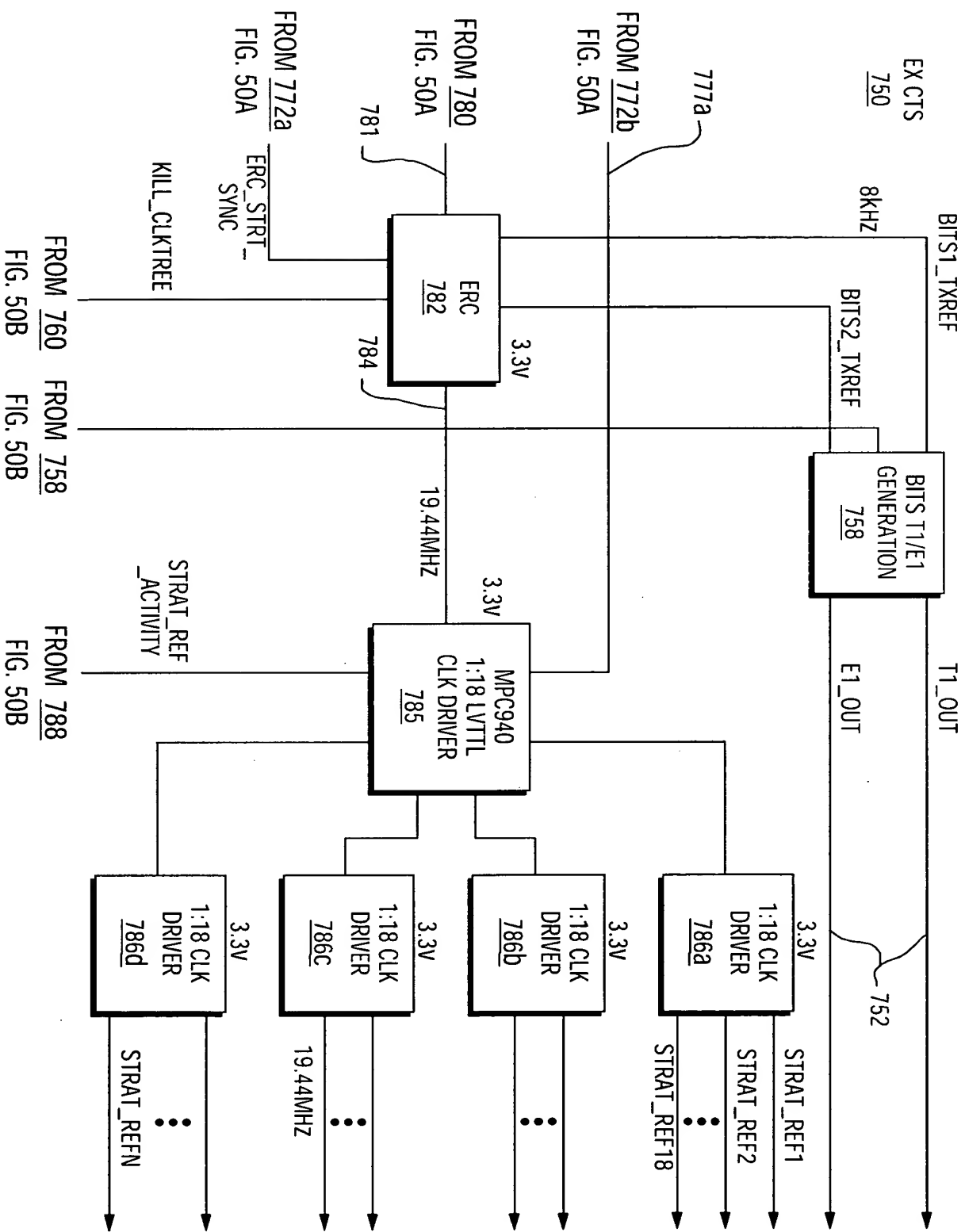


FIG. 50C

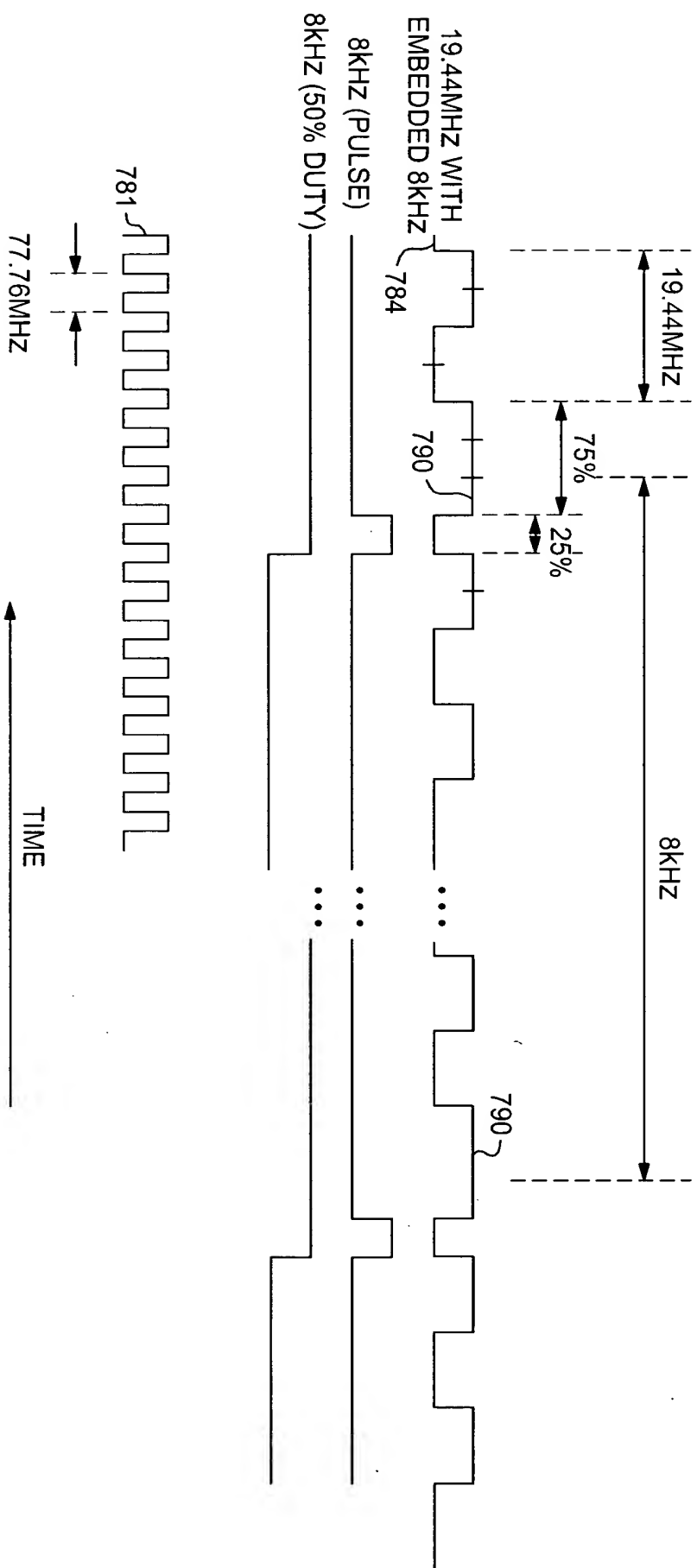


FIG. 51

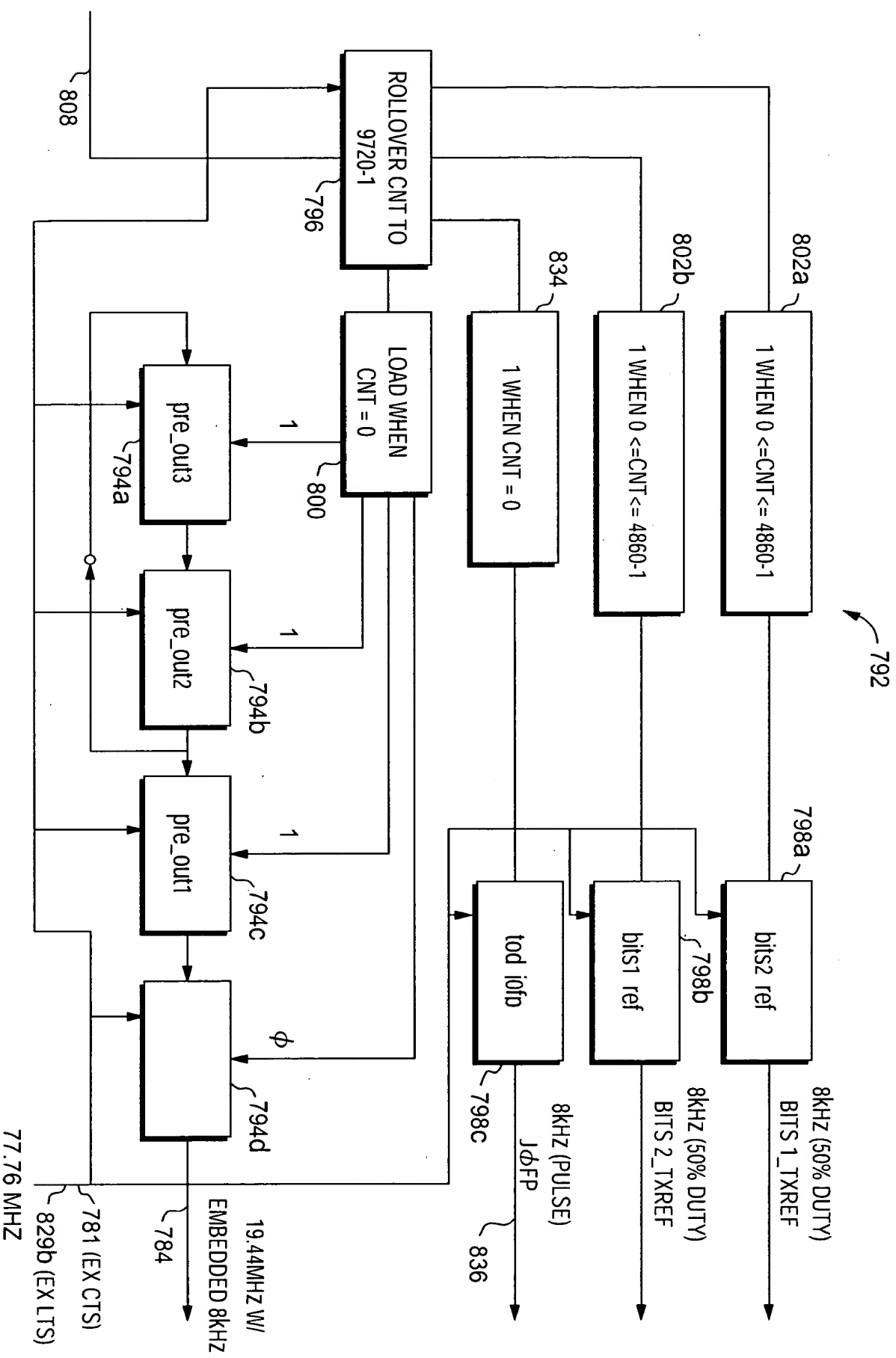


FIG. 52

EXTRACTOR

804

ERC_STRAT_SYNC (EX CTS)
 STRAT_REF_A OR STRAT_REF_B (EX LTS) 832
 19.44MHZ WITH ENCLOSED 8KHZ
 (MUST BE PULLED LOW WHEN NOT PRESENT)

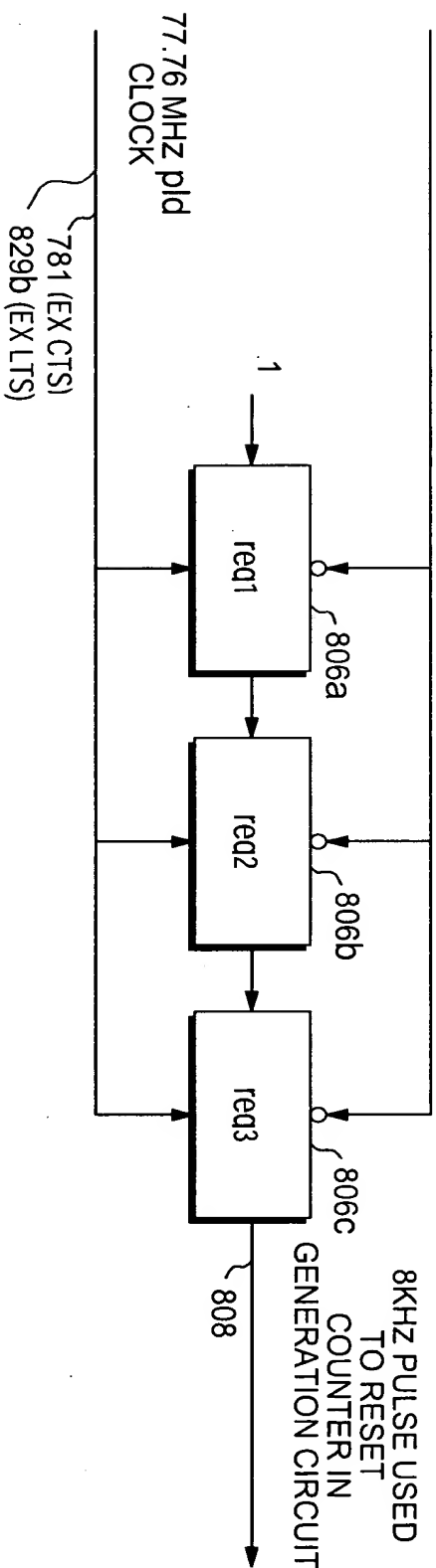


FIG. 53

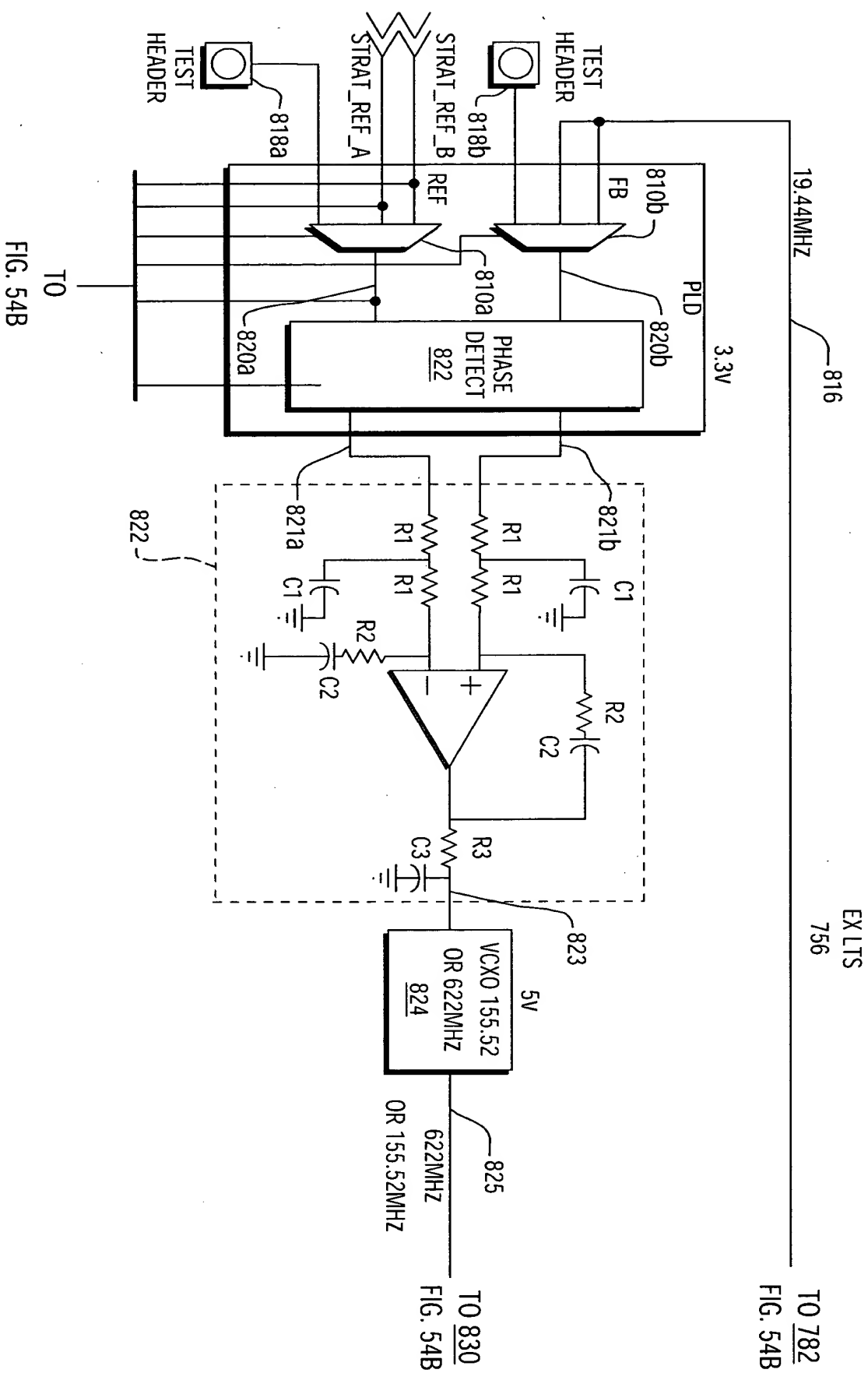


FIG. 54A

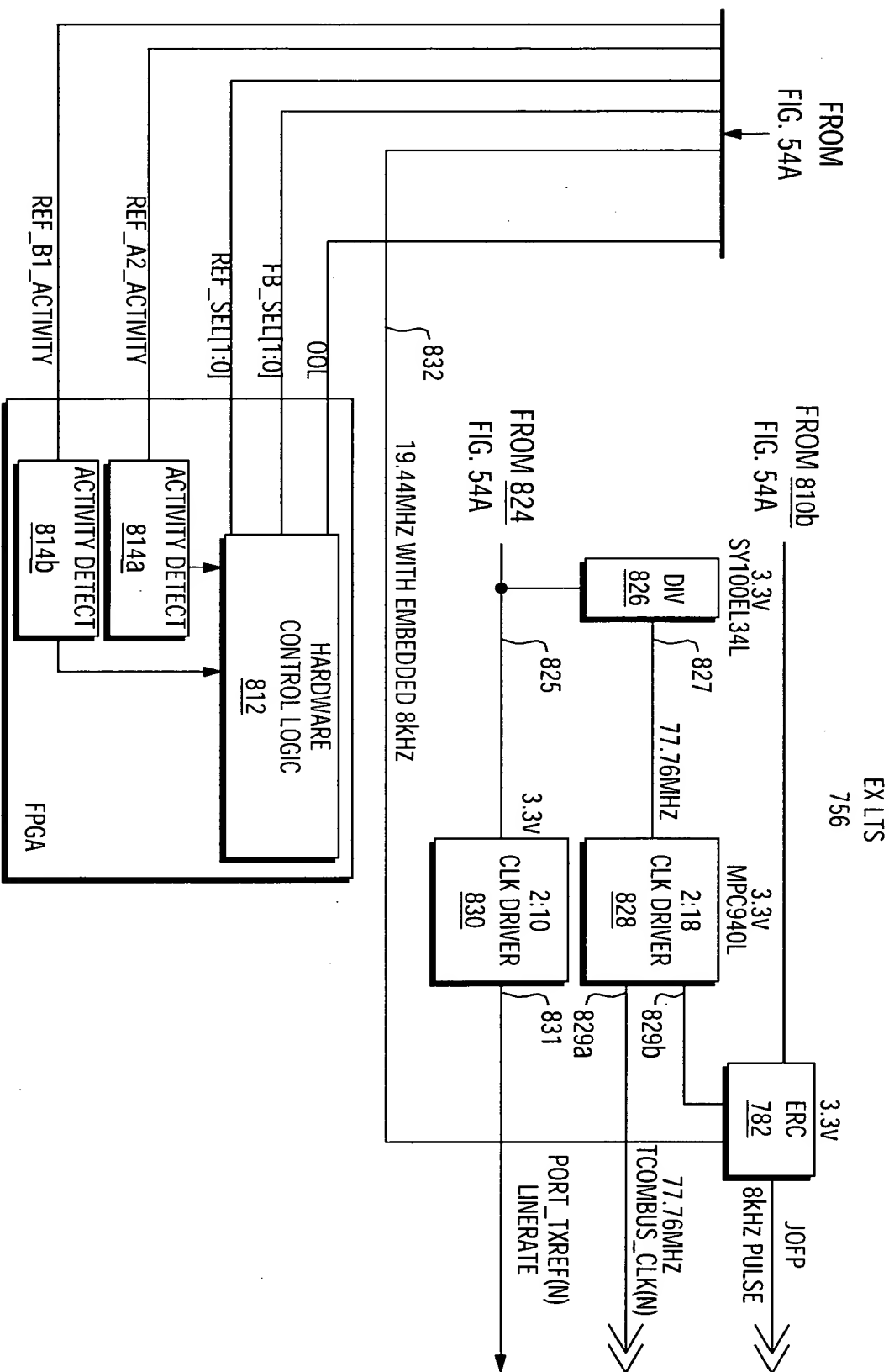
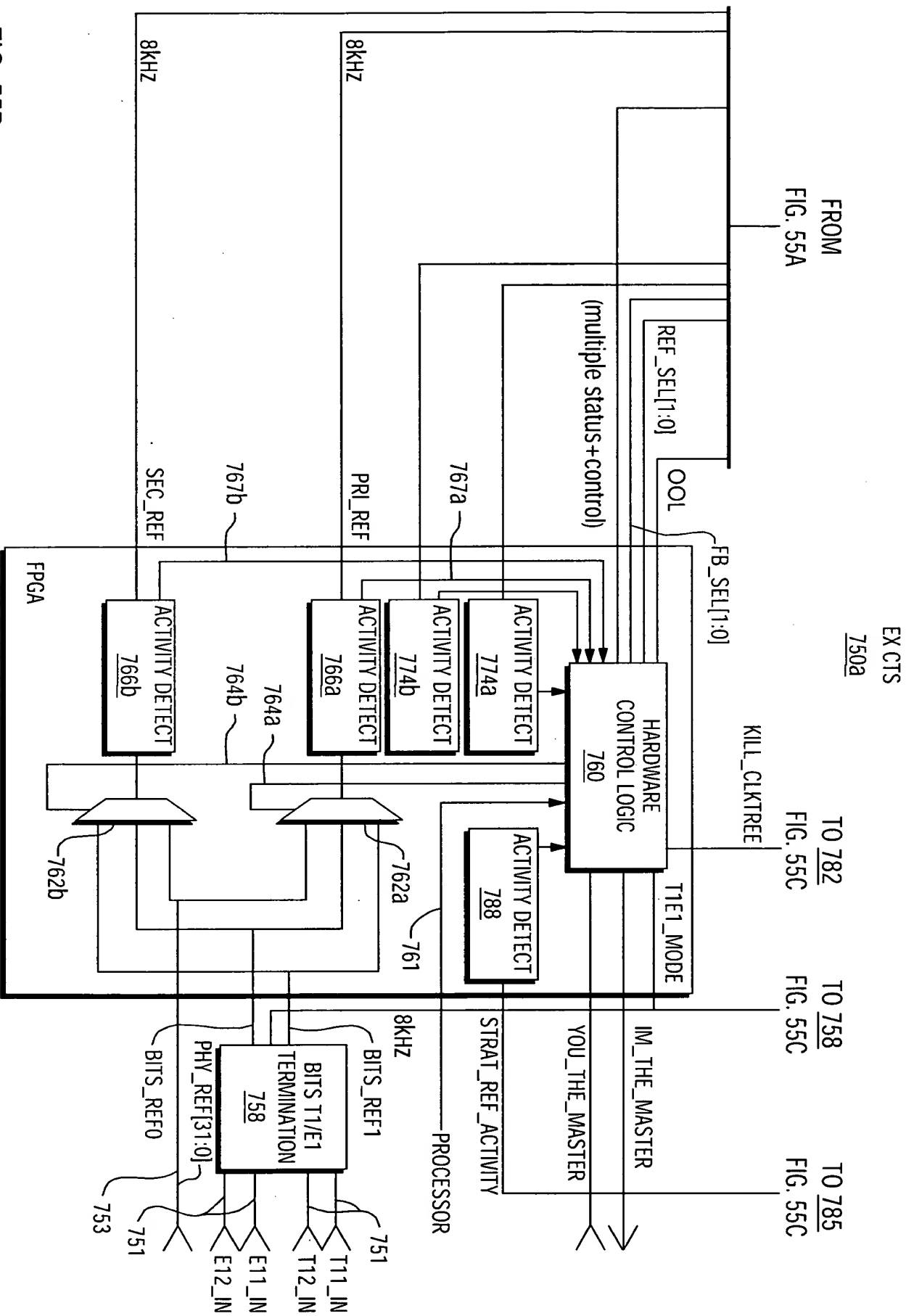


FIG. 54B



FIG. 55B



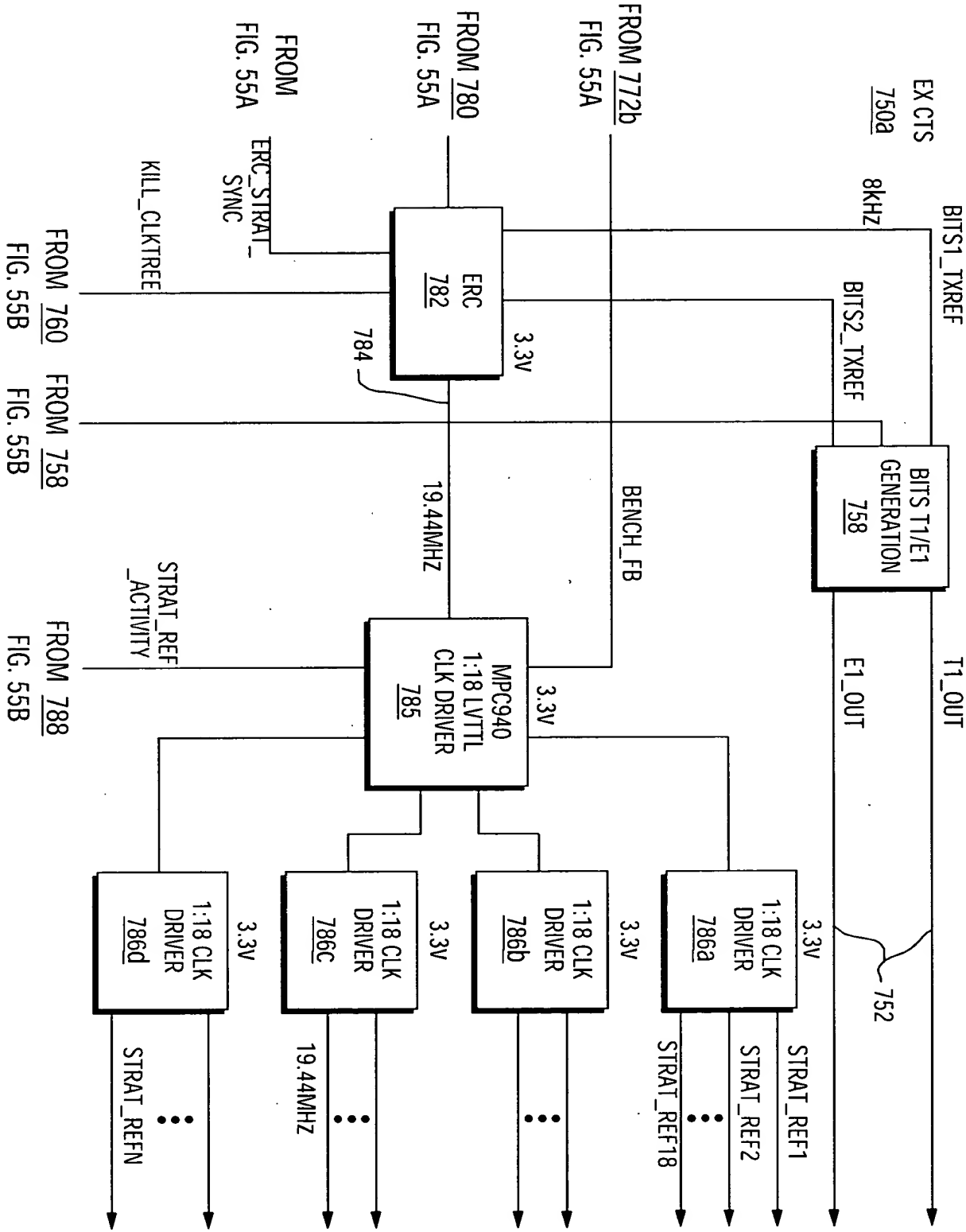


FIG. 55C

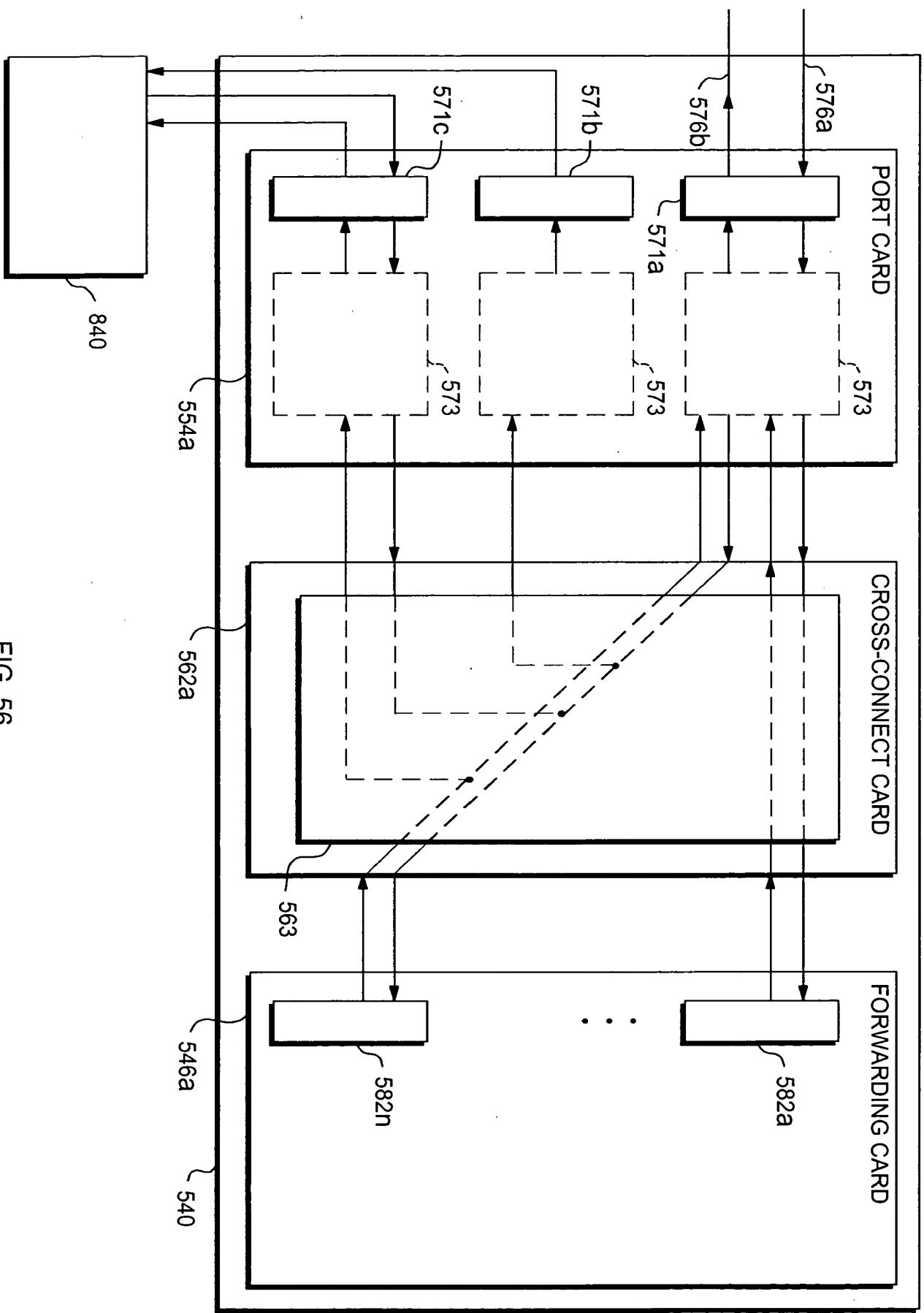


FIG. 56

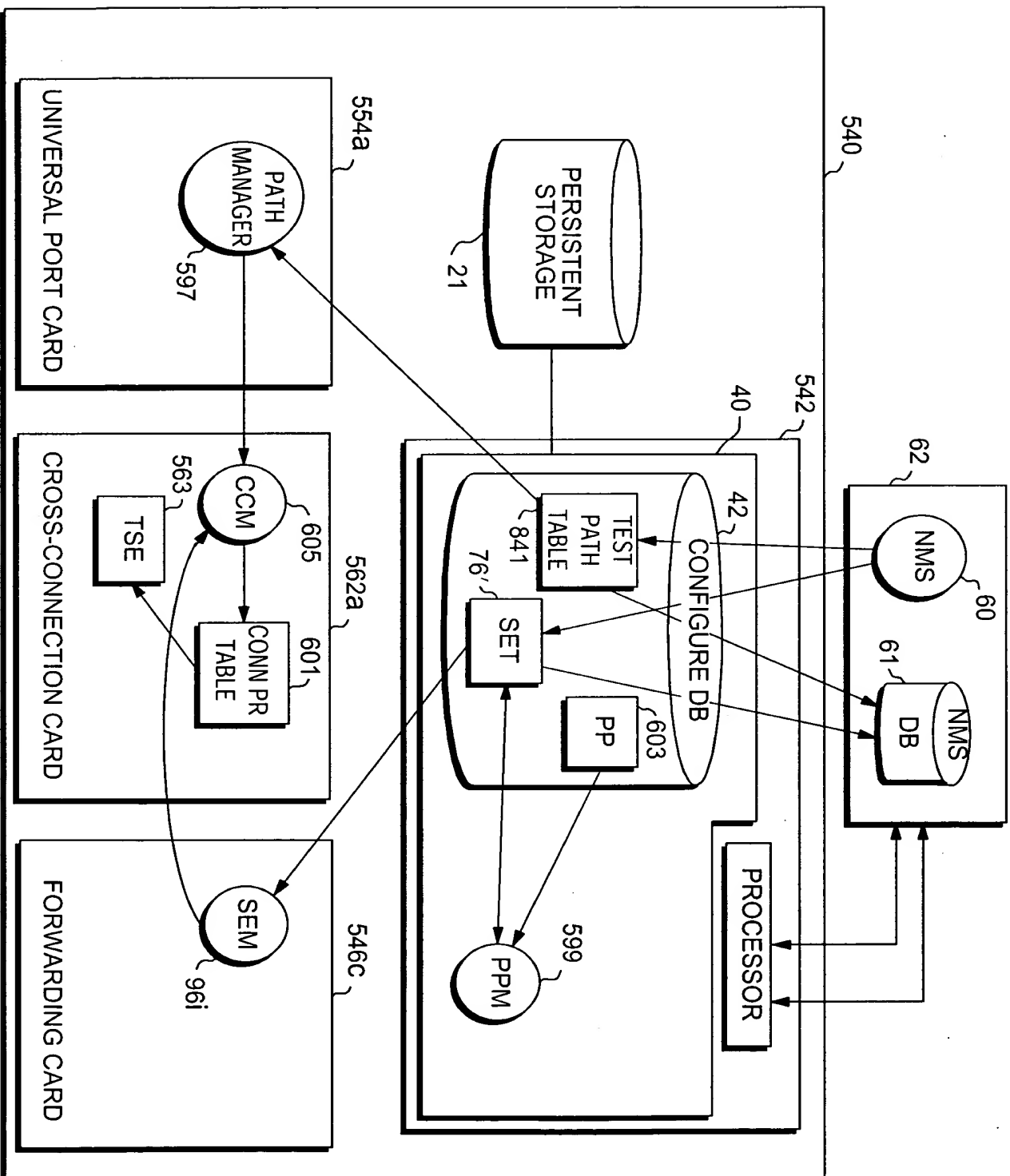


FIG. 57

TEST PATH TABLE 841

844						845	
PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR	ENABLE PORT RECEIVER	...	
842	1666	1232	4	3	INGRESS	NO	
	1666	1233	4	3	EGRESS	NO	
843	1666	1233	4	3	INGRESS	YES	
844	•	•	•	•			•
	•	•	•	•			•
	•	•	•	•			•

FIG. 58

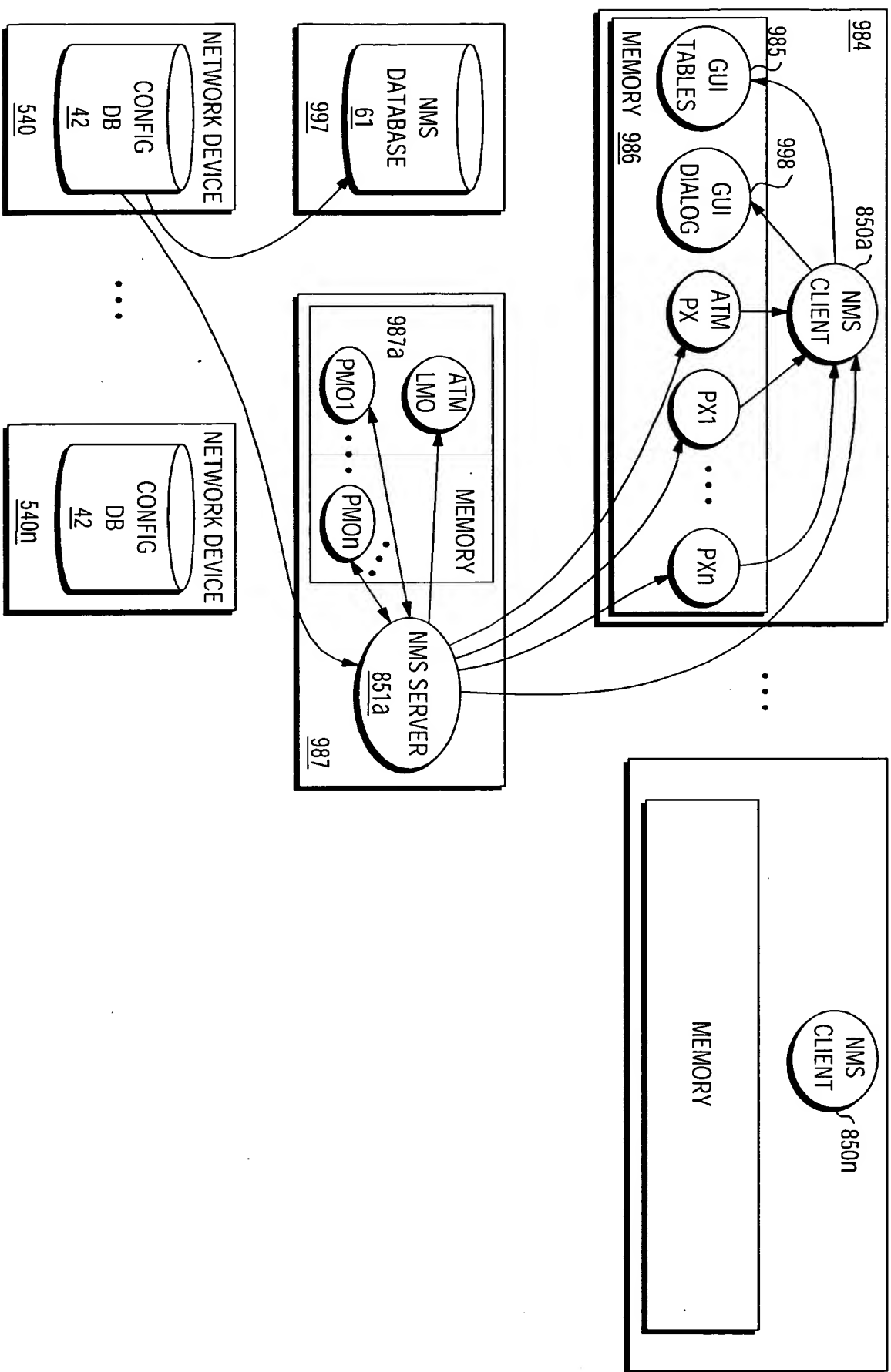


FIG. 59

MANAGED DEVICE TABLE 983

PID	A1	...	An
1			

FIG 60A

CHASSIS TABLE 988

PID	A1	...	An	MANAGED DEVICE PID
1				1
⋮	⋮	⋮	⋮	⋮

FIG 60B

SHELF TABLE 989

PID	A1	...	An	CHASSIS PID
3				2
4				2
⋮	⋮	⋮	⋮	⋮
18				2

FIG 60C

SLOT TABLE 990

PID	A1	...	An	SHELF PID
20				3
21				3
⋮	⋮	⋮	⋮	⋮
116				18

FIG 60D

CARD TABLE 47'

47a	47b			
	PID	CWD TYPE	VERSION NO.	SLOT PID
	120	0XF002	3	20
	121	0XF002	4	21
	⋮	⋮	⋮	⋮
	124	0X6002	1	24
	⋮	⋮	⋮	⋮
	131	0XF002	1	31
	⋮	⋮	⋮	⋮

FIG 60E

PORT TABLE 49'

49a	49b			
	PID	PORT TYPE	VERSION NO.	CARD PID
	300	00620	1	20
	301	00620	1	20
	302	00620	1	20
	303	00620	1	20
	304	00820	1	20
	⋮	⋮	⋮	⋮
	400	00620	1	39
	⋮	⋮	⋮	⋮

FIG 60F

SONET PATH TABLE 600'

600a	600b			
	PATH LID	PORT LID	TIME SLOT	# OF TIME SLOTS
	901	304	4	3
	⋮	⋮	⋮	⋮

FIG. 60G

SERVICE ENDPOINT TABLE 76''

76a	SE LID	Q #	76c	76d	76e	76b
			FC PID	FC SLICE PID	FC TIME SLOT	PATH LID
	3000					901
	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 60H

ATM IF TABLE 114''

114a	114b		
	ATM IF LID	ATM GROUP LID	SE LID
	5054		3000
	⋮	⋮	⋮

FIG. 60I

VIRTUAL ATM IF TABLE 993

993a	LID	A1	...	An	ATM IF LID	993b
	7489				5054	
	⋮	⋮	⋮	⋮	⋮	
	⋮	⋮	⋮	⋮	⋮	
	⋮	⋮	⋮	⋮	⋮	

FIG 60J

VIRTUAL CONNECTION TABLE 994

994a	LID	A1	...	An	VIR. ATM IF LID	994b
	⋮	⋮	⋮	⋮	⋮	
	⋮	⋮	⋮	⋮	⋮	
	⋮	⋮	⋮	⋮	⋮	

FIG 60K

VIRTUAL LINK TABLE 995

995a	LID	A1	...	An	VIR. CONN. LID	CROSS. CONN. LID	995b	995c
	⋮	⋮	⋮	⋮	⋮	⋮		
	⋮	⋮	⋮	⋮	⋮	⋮		
	⋮	⋮	⋮	⋮	⋮	⋮		

FIG 60L

CROSS-CONNECT TABLE 996

996a	LID	A1	...	An	VIR. LINK1 LID	VIR. LINK2 LID	996b	996c
	⋮	⋮	⋮	⋮	⋮	⋮		
	⋮	⋮	⋮	⋮	⋮	⋮		
	⋮	⋮	⋮	⋮	⋮	⋮		

FIG 60M

ATM NODE TABLE 999

999a	LID	A1	...	An	MANAGED DEVICE PID	999b	999c
	5000				1		

FIG 60N

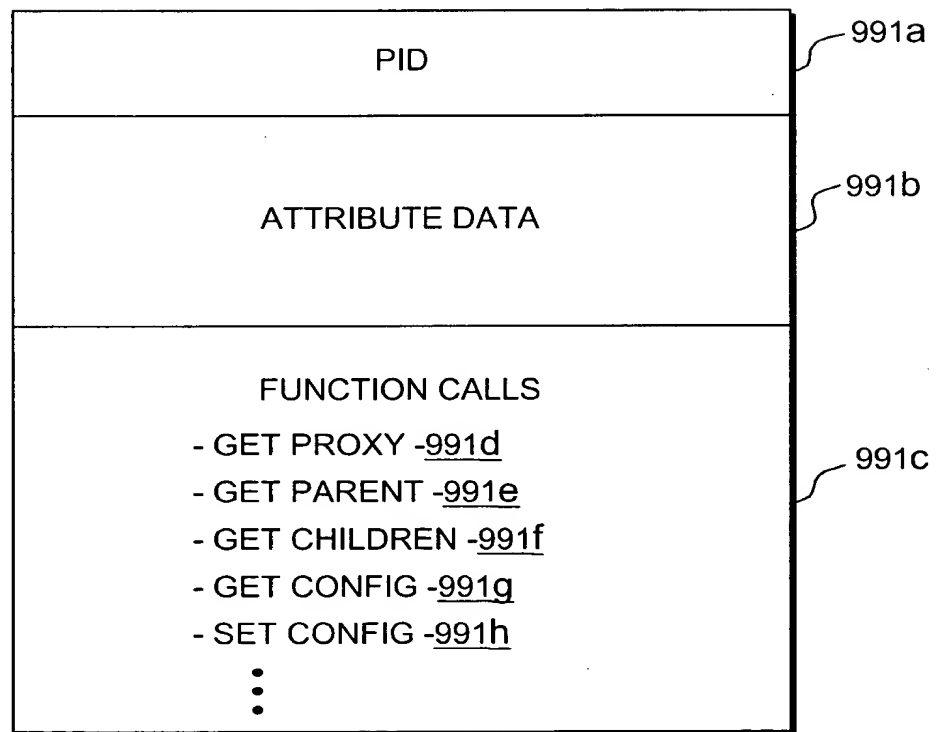
PHYSICAL MANAGED OBJECT 991

FIG. 61A

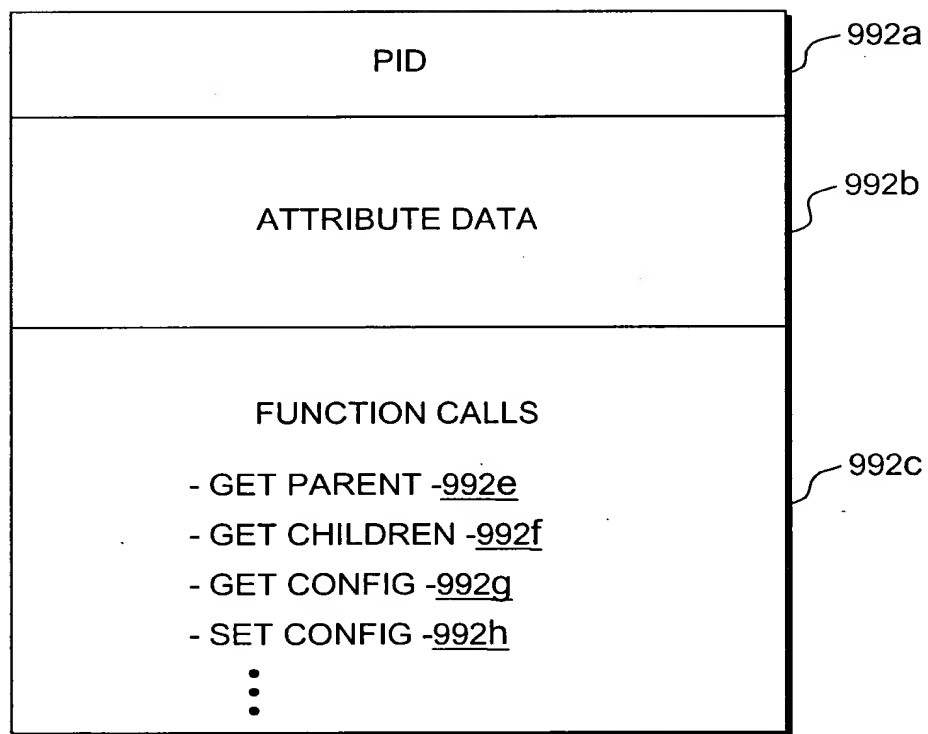
PROXY 992

FIG. 61B

EvailNet Manager: Modify SONET Path - Shelf 11/Slot4/Port 1

X

System: 192.168.9.202

SONET Path Parameters

Path Name	Path1_11/4/1
Path Number	1
Path Width	STS-3c
Path Type	Terminated-ATM

Connection Information

Connected SONET Path

☒ None

☐ Specific

Paths...

ATM Interface Name

Modules

OK

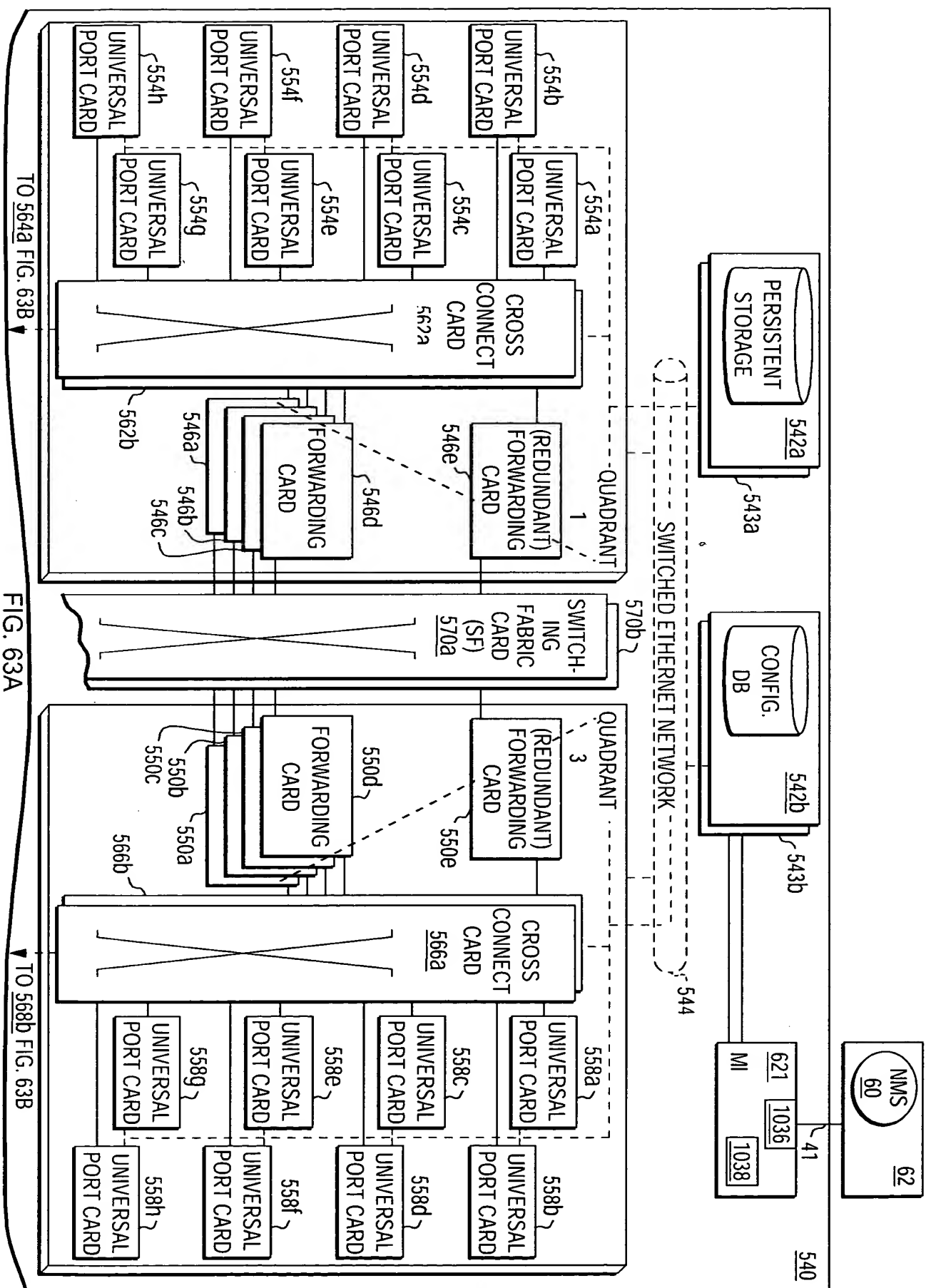
Cancel

998b

997a

997

FIG. 62



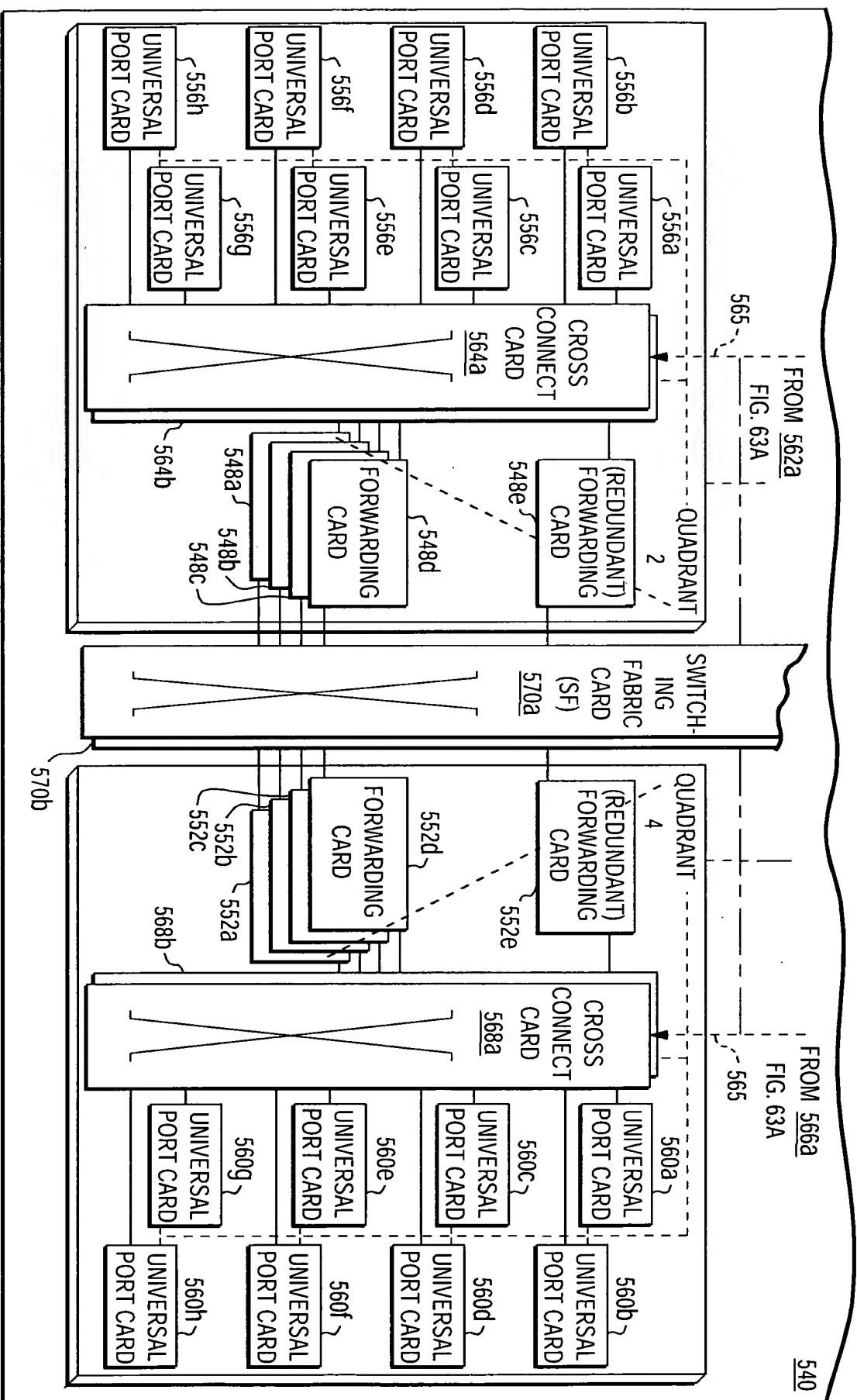


FIG. 63B

ADMINISTRATION MANAGED DEVICE TABLE 1014'

1014a'									
LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD	PHYSICAL ID	PHYSICAL ID
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3		
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•

FIG. 64

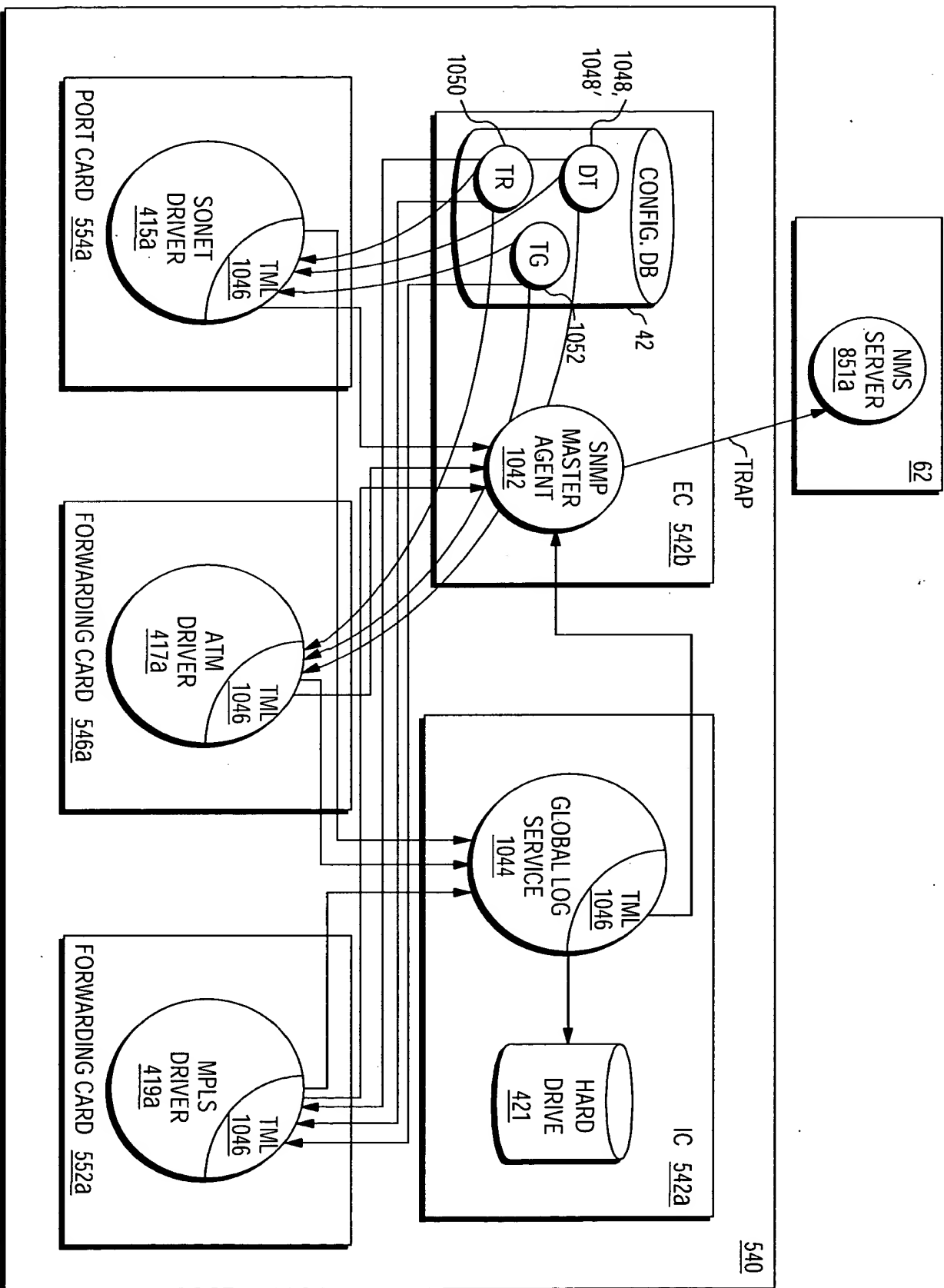


FIG. 65

The screenshot displays the Evallnet Manager interface for system 192.168.9.202. The left sidebar contains navigation links: Profiles, Management of Management, Network, and Devices. The main configuration area shows a table of SONET paths. The table has columns for Path Name, Path Posit., Path Width, Path Typ., Service, Ingress Co., and Egress Co. The paths listed are Path 1_11/4/1 and Path 2_11/4/1. Below the table are buttons for Delete, Refresh, Diagnostics..., Trace..., and ATMIFs. The bottom status bar indicates 'Ready'.

Path Name	Path Posit.	Path Width	Path Typ.	Service	Ingress Co.	Egress Co.
Path 1_11/4/1	1	STS-3c	Terminated	ATM		
Path 2_11/4/1	4	STS-3c	Terminated	ATM		

895

1054

EvalNet Manager: 192.168.9.202

File Edit Device View Help Threshold

Image Scale: 100%

896a

898

897

946a

946b

946c

946d

946e

946f

946h

946h

Ready

Server: 192.168.1.229 Mode: On-line Profile: party

ATM Interface Count: 6

ATM Interfaces

Shell/Slot/Port	Path Name	Location	Name	V-Arm I/F's count/min.	VPI bits/Max	VPI bits/Min	VCI bits
11/4/1	Path 1_11/4/1	Back	ATM-Path1_11/4/1	0	8	1	16
11/4/1	Path 2_11/4/1	Back	ATM-Path2_11/4/1	0	8	1	16
11/5/2	Path 6_11/5/2	Back	ATM-Path6_11/5/2	0	8	1	16
11/5/2	Path 5_11/5/2	Back	ATM-Path5_11/5/2	0	8	1	16
11/5/2	Path 2_11/5/2	Back	ATM-Path2_11/5/2	0	8	1	16
11/5/2	Path 1_11/5/2	Back	ATM-Path1_11/5/2	0	8	1	16

Configuration

System: 192.168.9.202

System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections

Equipment

Profiles Management of Management

Network

Devices

192.168.9.202

192.168.9.203

192.168.9.201

898a

898b

FIG. 66B

-947C

FIG. 66C

-948a

FIG. 66D



FIG. 66E

1056

THRESHOLD DIALOG BOX

1056a	RESOURCE:	1056j	1056f
1056b	ATTRIBUTE:		
1056c	THRESHOLD RULE:		1056g
1056d	SAMPLING FREQUENCY:	1056k	
1056e	ACTION:	1056l	1056h
	<input type="checkbox"/> LOG	1056m	1056i
	<input type="checkbox"/> NMS		

1056p

OK CANCEL

FIG. 67

DYNAMIC THRESHOLD TABLE 1048

RESOURCE ID	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE
901	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
901	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR >10
901	PATH ERRORS (PATH END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR >10
• • •	• • •	• • •	• • •	• • •
5054	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
5054	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
• • •	• • •	• • •	• • •	• • •
7312	RX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
7312	TX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
• • •	• • •	• • •	• • •	• • •

FIG. 68

DYNAMIC THRESHOLD TABLE 1048'

THR. GROUP LID	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR > 10
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR > 10
:	:	:	:	:	:
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
8433	ATM IF	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
:	:	:	:	:	:
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
:	:	:	:	:	:

FIG. 69A

THRESHOLD GROUP TABLE 1052

1052a	RESOURCE ID	THRESHOLD GROUP LID	1052b
	901	8312	
	902	8313	
	903	8312	
	⋮	⋮	
	5054	8433	
	⋮	⋮	
	7312	8542	

FIG. 69B

THRESHOLD RULE TABLE 1050

1050a	RULE LID	EXPRESSION	1050b
1050c	9421	IF ATTRIBUTE > a	
	9422	IF ATTRIBUTE < a OR > b	
	9423	IF ATTRIBUTE > a BETWEEN b-c OR > d BETWEEN e-f	
	9424	IF ATTRIBUTE < a	
	9425	IF ATTRIBUTE = 0	
	9426	RMON	
	9427	FOE	
	9428	IF ATTRIBUTE < a GO TO RULE LID b	
	⋮	⋮	

FIG. 70B

DYNAMIC THRESHOLD TABLE 1048'''

THR. GROUP	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE LID	VARIAB. a	VARIAB. b	VARIAB. c	VARIAB. d	VARIAB. e	VARIAB. f	VARIAB. ...	VARIAB. n	ACTIVE/ INACTIVE
1048a''' LID 8312	1048b''' SONET PATH	1048c''' UNAVAILABLE SECONDS (PATH END)	1048d''' 15 min	1048e''' LOG	1048f''' 9421	1048g''' 10								1048w'''
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10							
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10							
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10							
1048u''' : :	1048b''' : :	1048c''' : :	1048d''' : :	1048e''' : :	1048f''' : :	1048g''' : :	1048h''' : :	1048i''' : :	1048j''' : :	1048k''' : :	1048l''' : :	1048m''' : :	1048n''' : :	1048t''' : :
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am			
1048v''' 8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13								
1048v''' : :	1048b''' : :	1048c''' : :	1048d''' : :	1048e''' : :	1048f''' : :	1048g''' : :	1048h''' : :	1048i''' : :	1048j''' : :	1048k''' : :	1048l''' : :	1048m''' : :	1048n''' : :	1048t''' : :
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	9424	4								
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	9425									
1048x''' : :	1048b''' : :	1048c''' : :	1048d''' : :	1048e''' : :	1048f''' : :	1048g''' : :	1048h''' : :	1048i''' : :	1048j''' : :	1048k''' : :	1048l''' : :	1048m''' : :	1048n''' : :	1048t''' : :
8588	HARD DRIVE	UNUSED DISK SPACE	5 min	LOG	9428	80	9424							ACTIVE
1048y''' 8588	HARD DRIVE	UNUSED DISK SPACE	30 sec	TRAP	9424	20								INACTIVE

FIG. 71

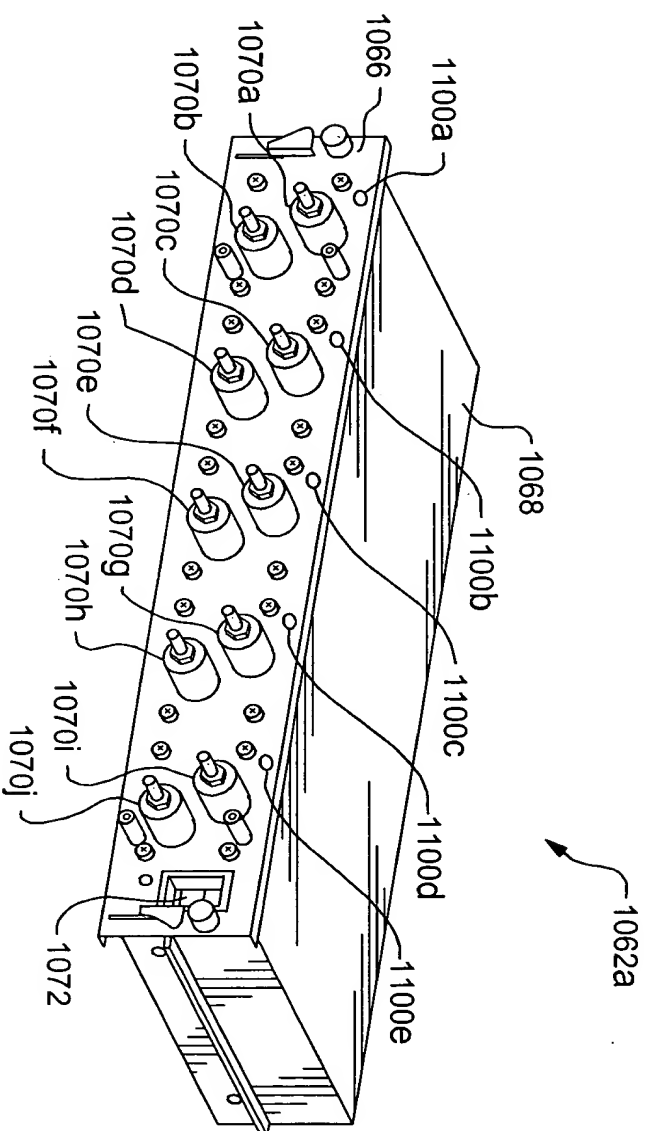


FIG. 72A

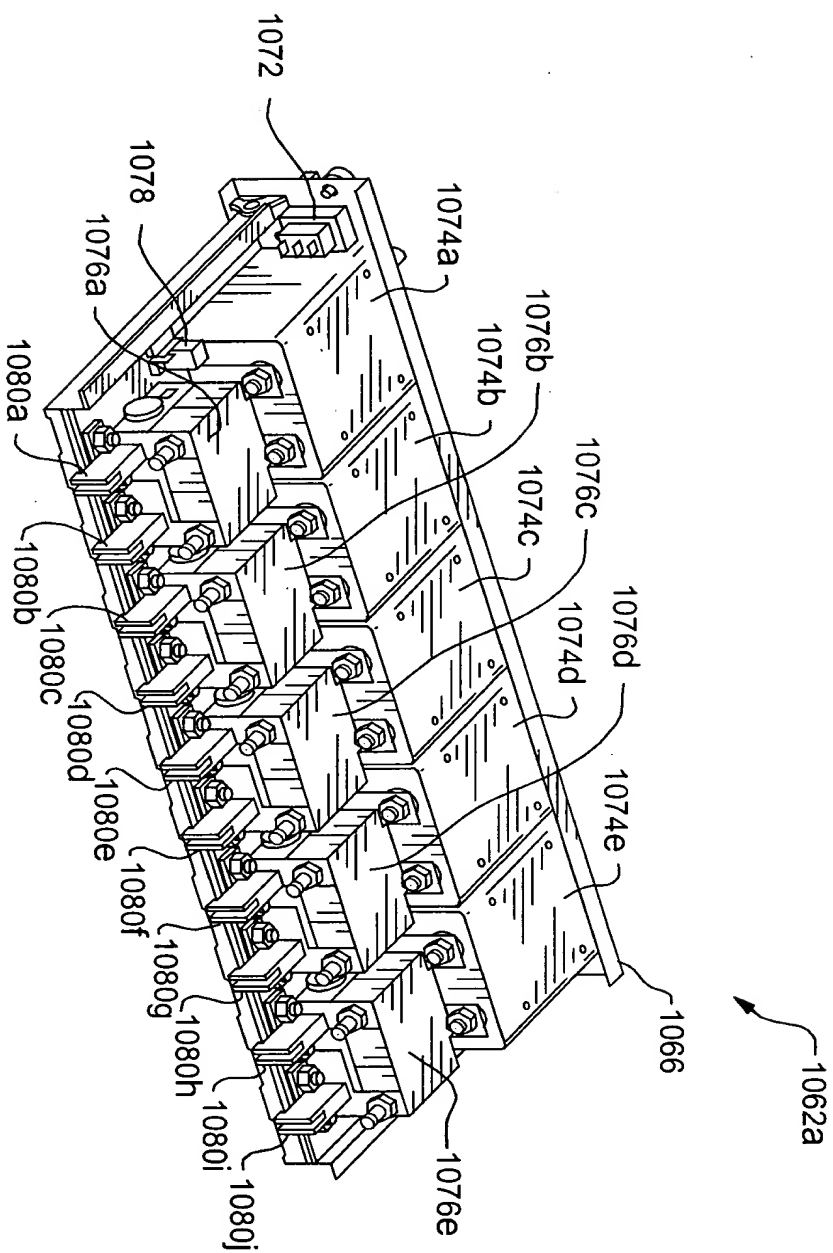


FIG. 72B

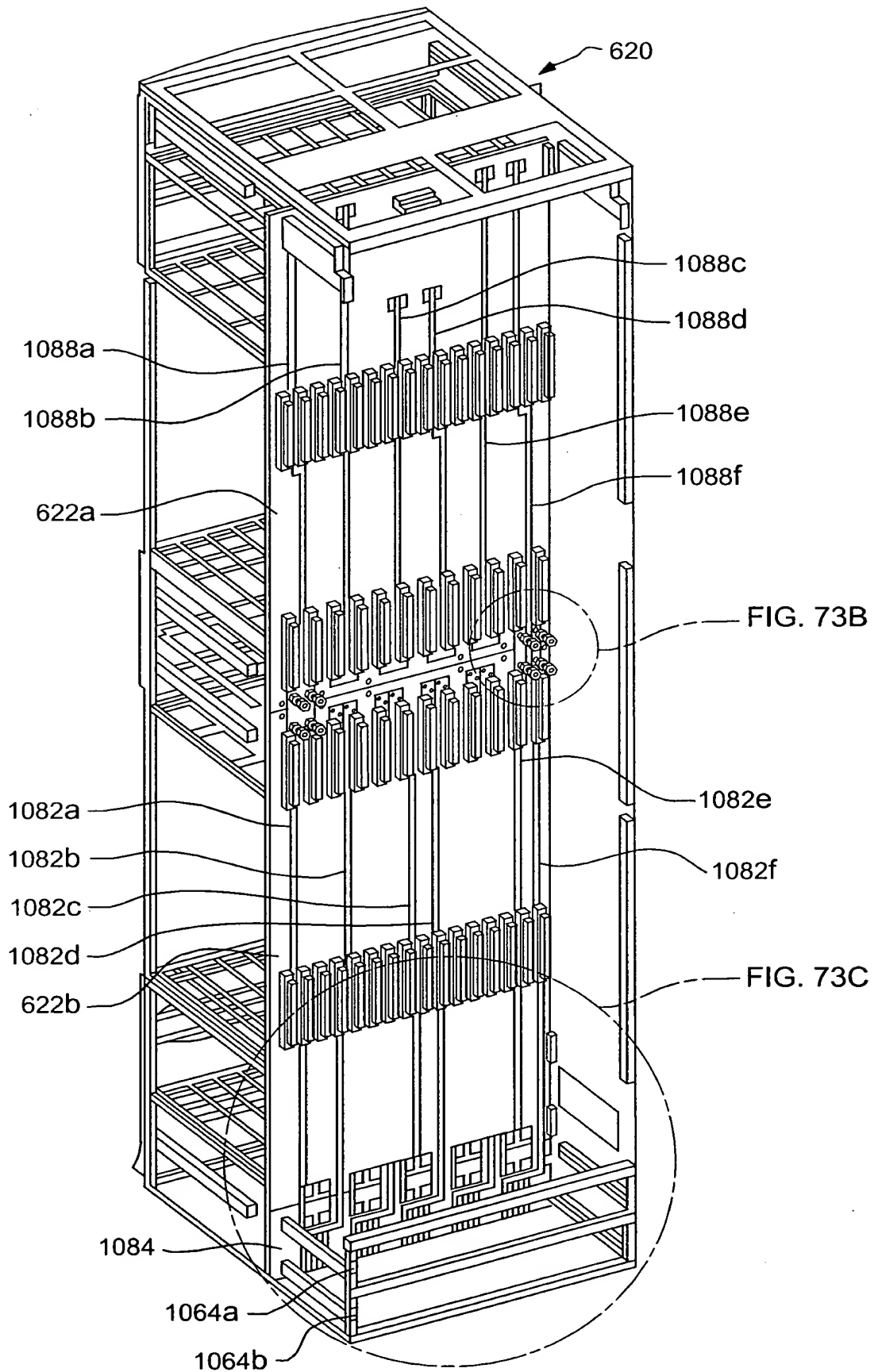


FIG. 73A

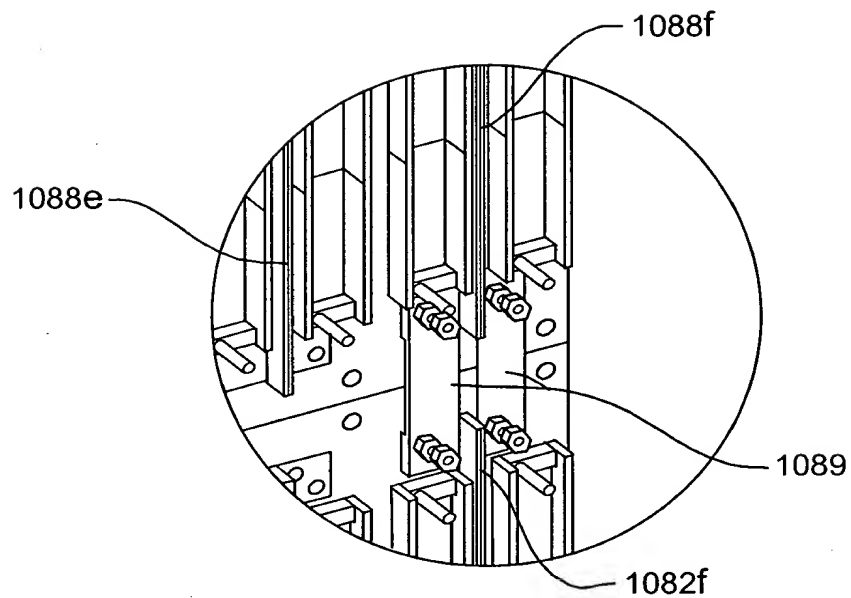


FIG. 73B

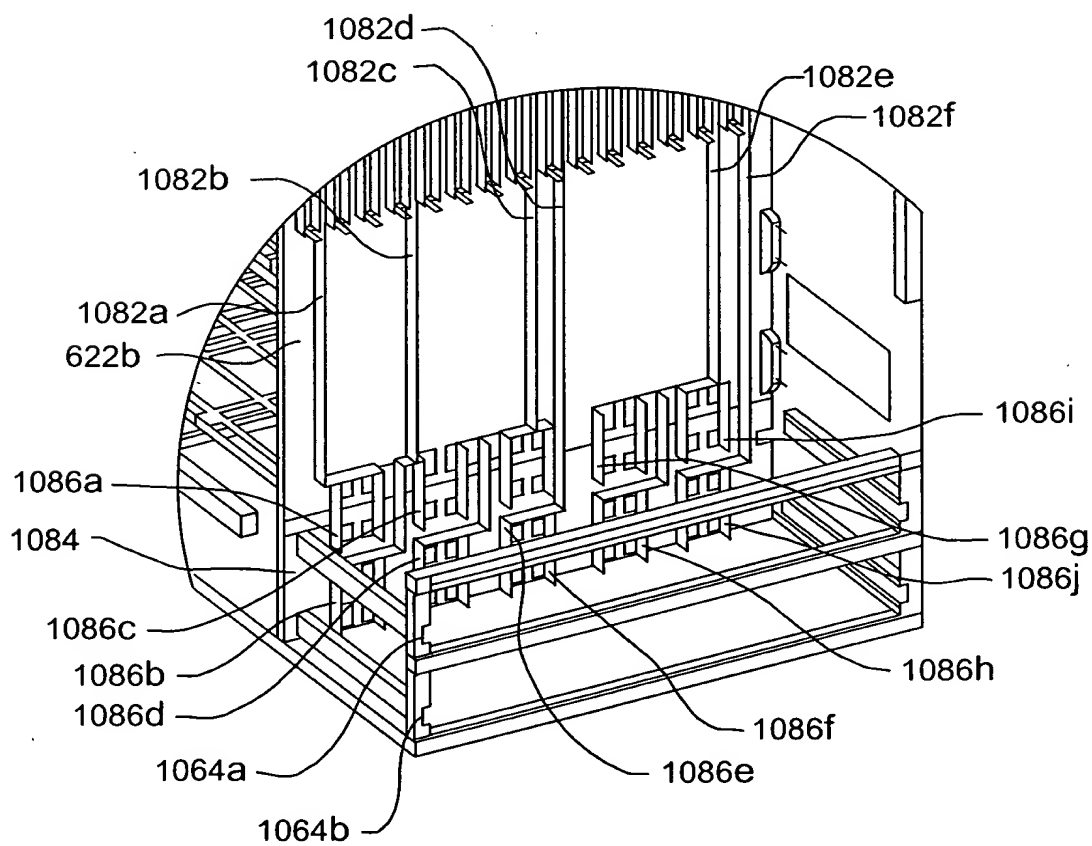


FIG. 73C

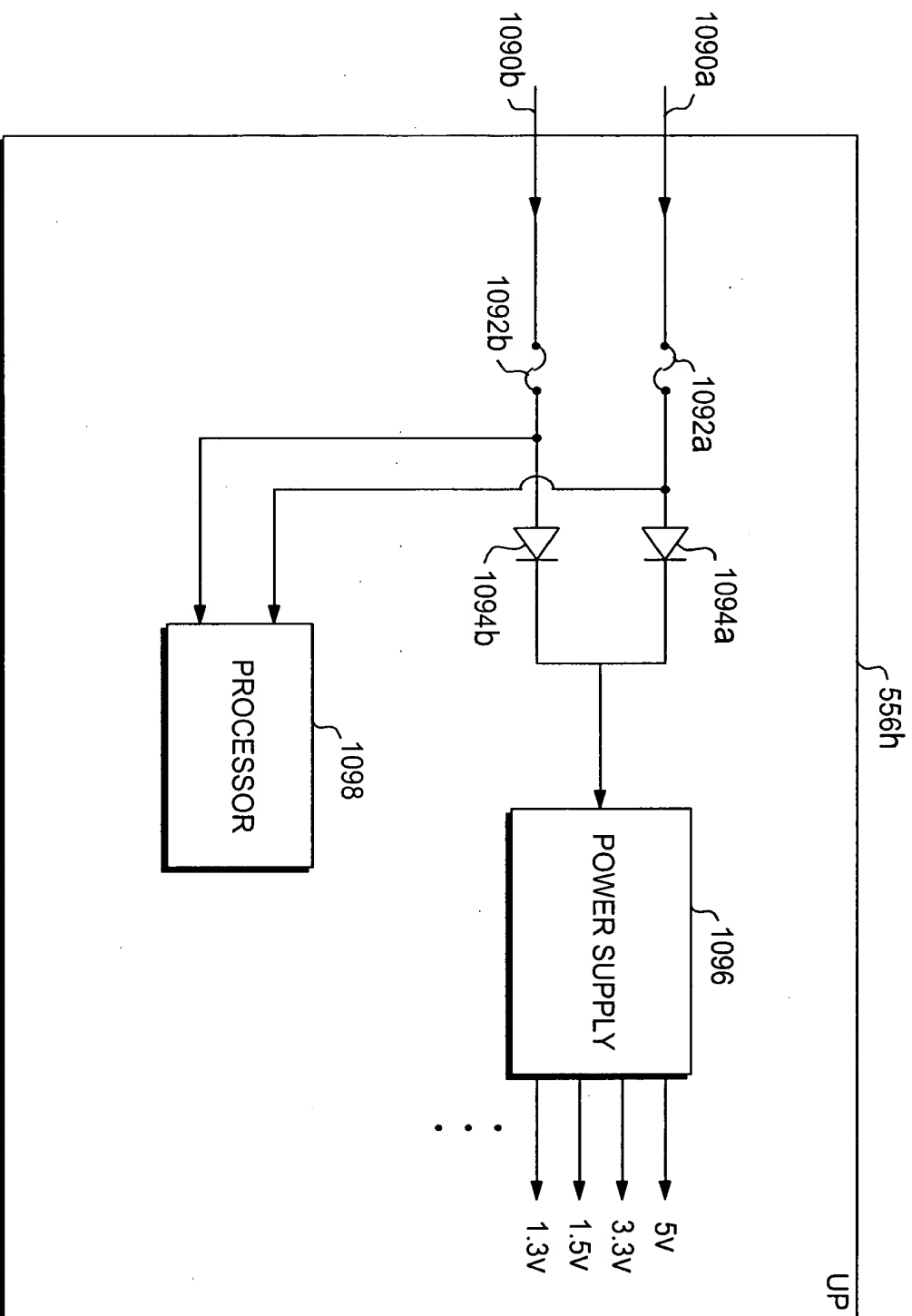


FIG. 74

1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11/4/1
 - test1
 - test2
 - ATM-Path2_11/4/1
 - Port 2
 - Port 3
 - Port 4

End Point 1

- Slot 3
- Slot 4
- Slot 5
 - Port 1
 - Port 2
 - ATM-Path1_11/5/2
 - test3
 - ATM-Path2_11/5/2
 - ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e VPI Index

VCI:

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptor...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f VPI Index

VCI:

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptors...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

<<Back Finish Cancel

FIG. 75

1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

Slot 4
Port 1
 ATM-Path1_11/4/1
 ATM-Path2_11/4/1
 test1
 test2
Port 2
Port 3
Port 4

End Point 2

Slot 3
Slot 4
Slot 5
Port 1
Port 2
 ATM-Path1_11/5/2
 test3
 ATM-Path2_11/5/2
 ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e VPI/VCI Index 1102c

VCI: 1102g

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptor...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f VPI/VCI Index 1102d

VCI: 1102h

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptors...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

<<Back Finish Cancel

FIG. 76

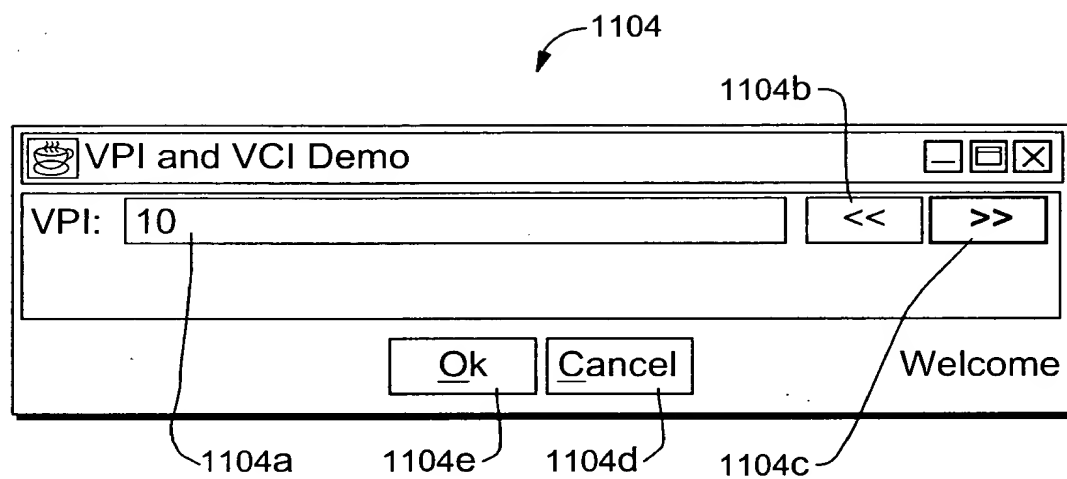


FIG. 77

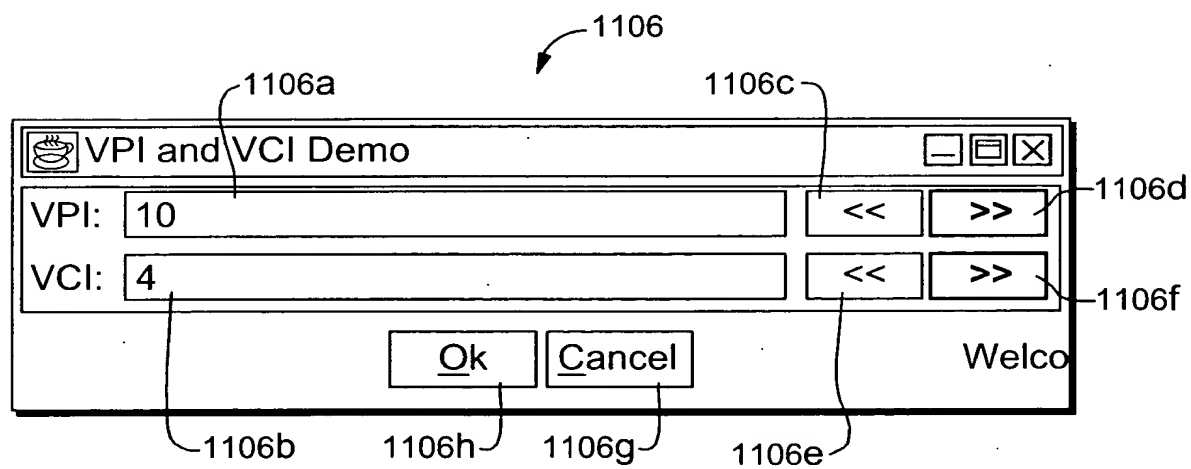


FIG. 78

1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

Slot 4
Port 1
 ATM-Path1_11/4/1
 ATM-Path2_11/4/1
 test2
 test1
Port 2
Port 3
Port 4

End Point 1

Slot 3
Slot 4
Slot 5
Port 1
Port 2
 ATM-Path1_11/5/2
 test3
 ATM-Path2_11/5/2
 ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name: Customer List

End Point 1 Parameters: 1102i

VPI: 1102e 1102j ☐ Use Any VPI Value

VCI: 1102g 1102i ☐ Use Any VCI Value

Transmit Traffic Descriptor: VBR-high 1102j Add Traffic Descriptor...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters: 1102i

VPI: 1102f 1102j ☐ Use Any VPI Value

VCI: 1102h 1102i ☐ Use Any VCI Value

Transmit Traffic Descriptor: VBR-high 1102j Add Traffic Descriptors...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

<<Back Finish Cancel

FIG. 79

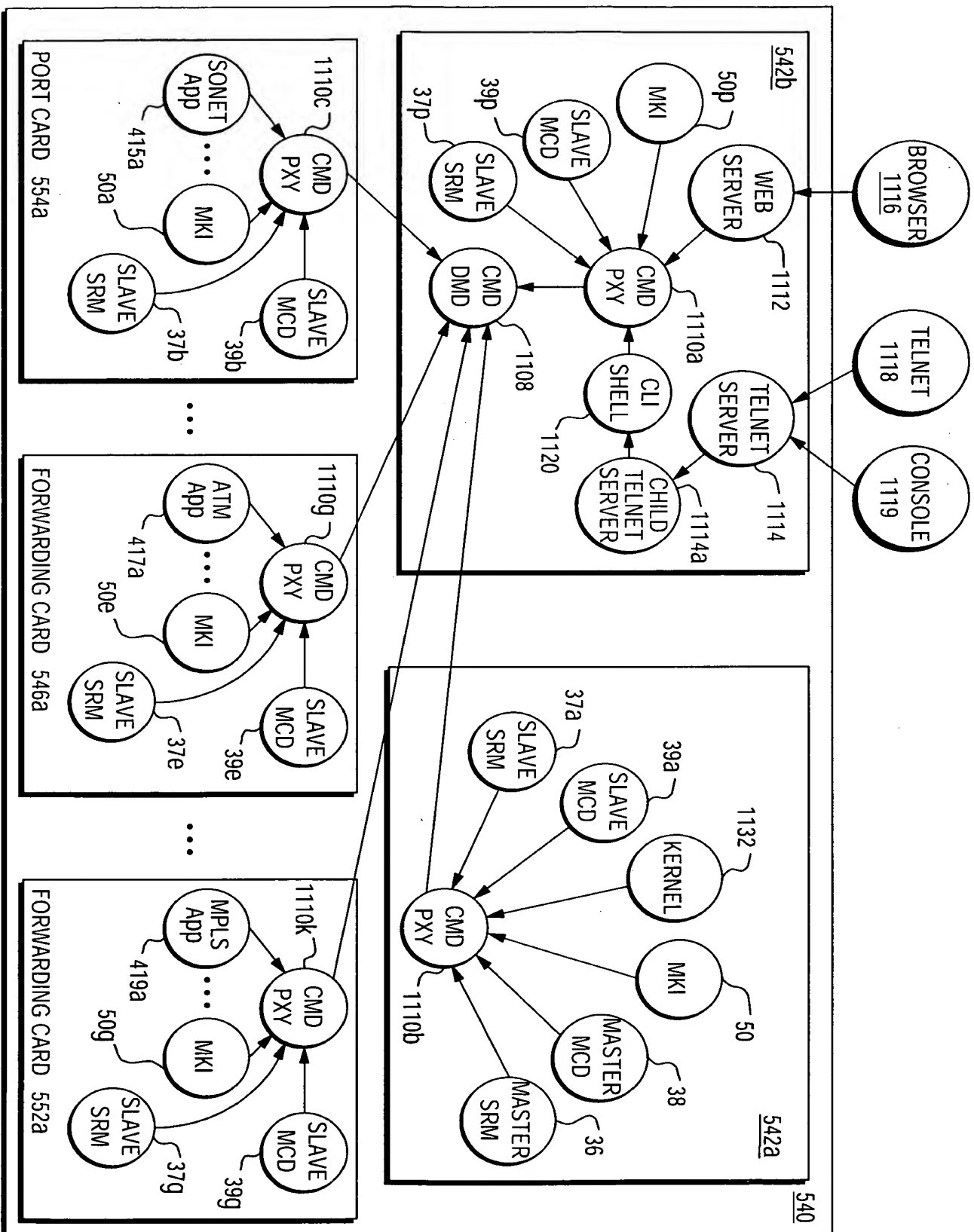


FIG. 80

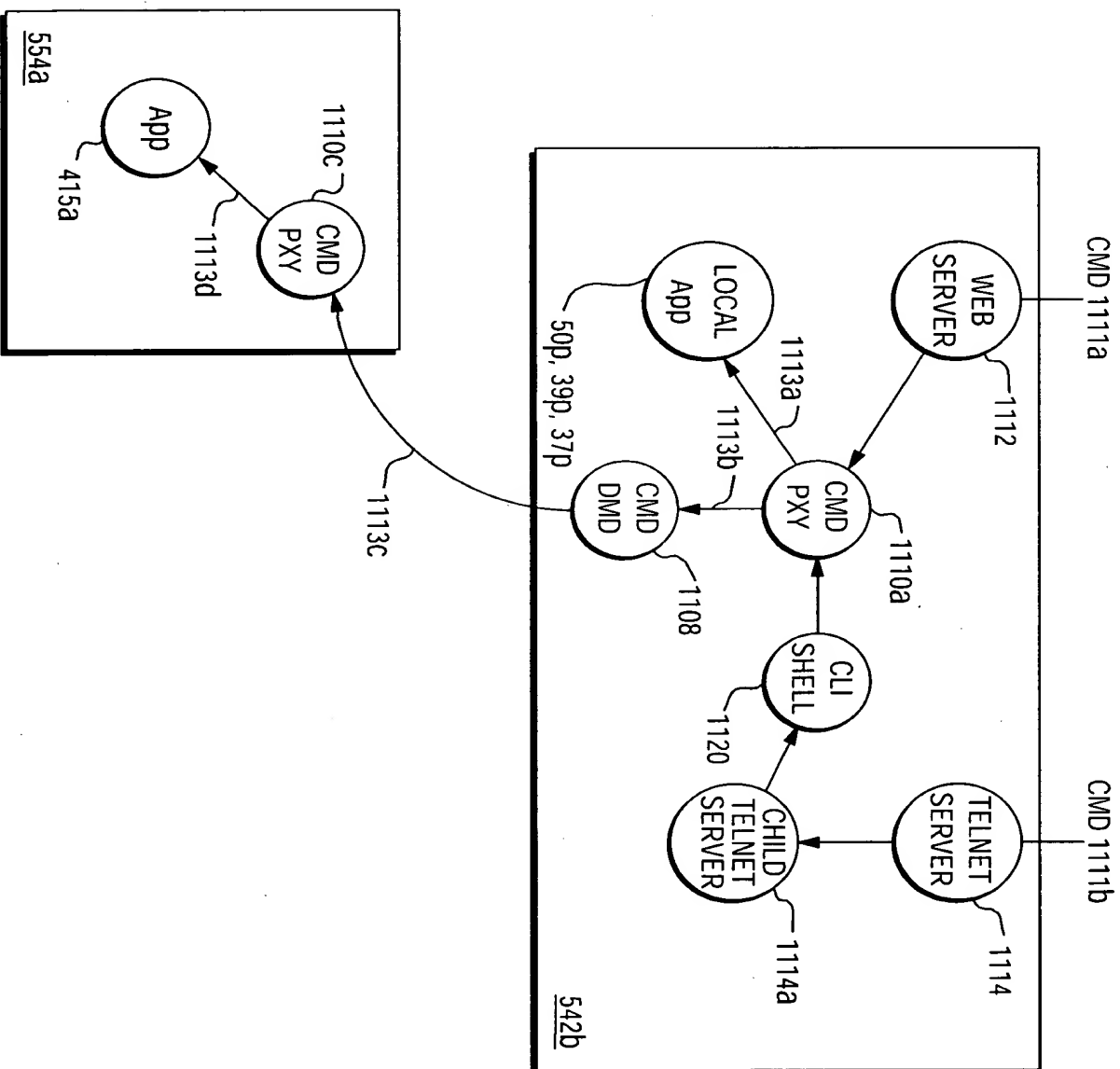


FIG. 81

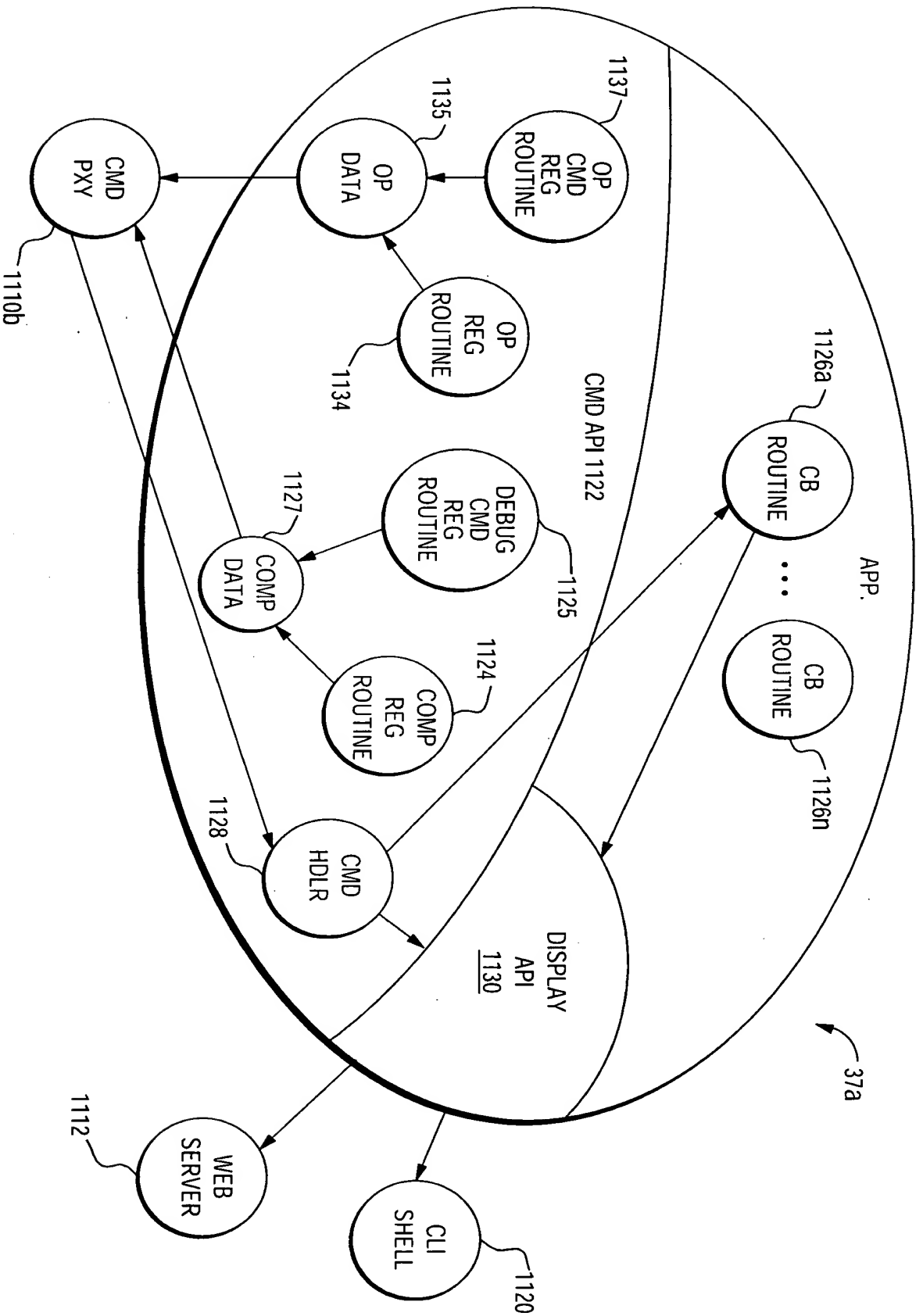


FIG. 82

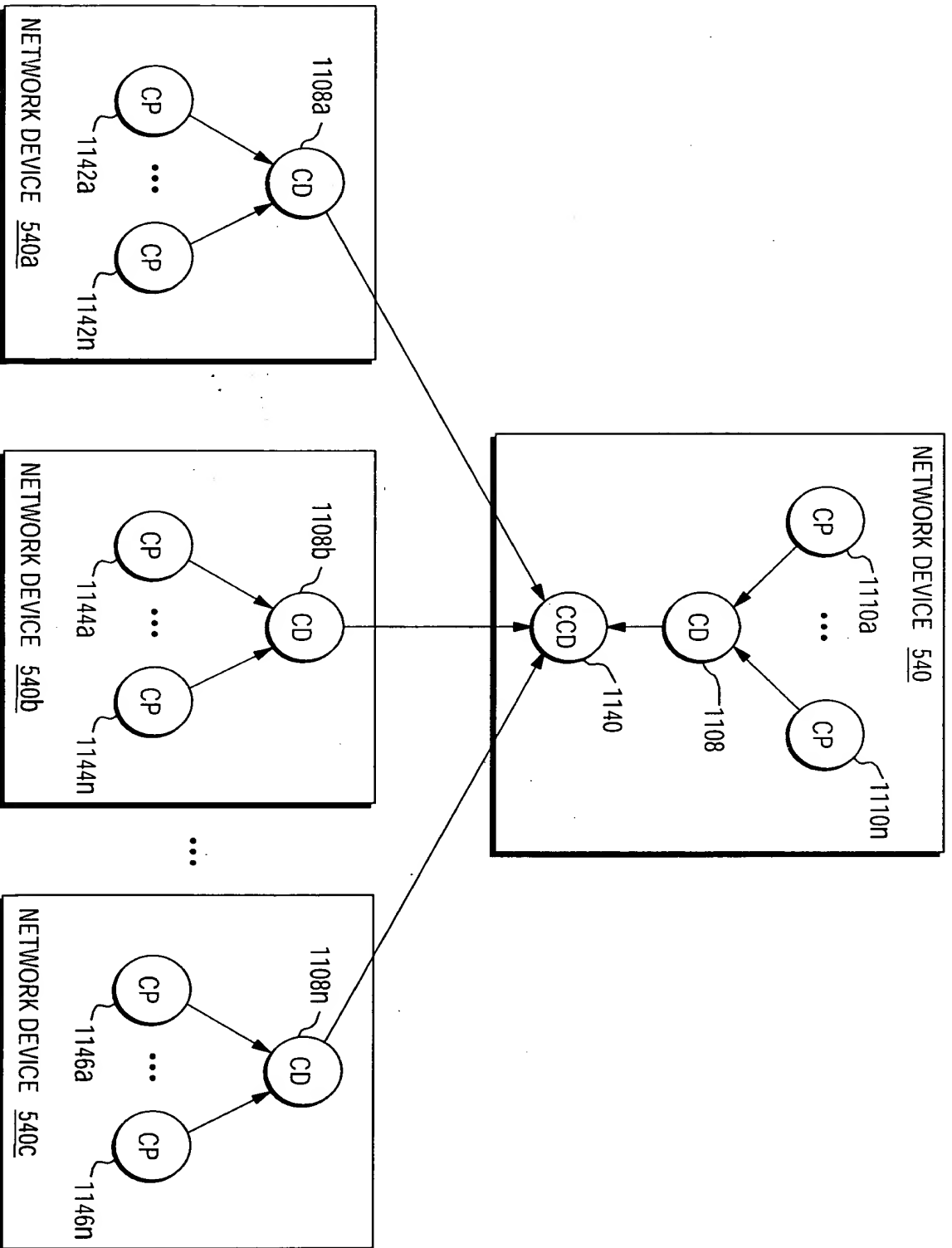


FIG. 83